

Sheppard, Paula

99260

From: Davis, Minh-Tam
Sent: Friday, July 18, 2003 10:35 AM
To: Sheppard, Paula
Subject: SEARCH REQUEST FOR 09/991681

Thanks for the search results.

I forgot however to ask to search SEQ ID NOs: 27-31 against the parent case 08/842385 to determine priority date.

Could you help for such search?

Thanks.

MINH TAM DAVIS
ART UNIT 1642, ROOM 8A01, MB 8E12
305-2008

only (Seq #28 is 100% similar to Seq #3, 6, 9, 10, 27 08/842385
priority date 4/23/97 #29 #6 (467 AA)
#30 #9, 6
31 10, 6

Seq 27 has 518 aa → priority date: 4/23/98

Point of Contact
P. Sheppard
Telephone number: (703) 308-4499

7/21/03

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OM protein - protein search, using SW model.

Run on: July 18, 2003, 19:21:51 / Search time 5.88287 Seconds
(without alignments)
989.182 Million cell updates/sec

Title: US-09-991-681-31

Perfect score: 260
Sequence: 1 EPLGPRGDSPLQRPQHL.....SAGPELLRQDKRPRSGSTGS 49

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications AA.*

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1: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	63	24.2	70	US-09-864-761-44434	Sequence 44434, A
2	56.5	21.7	1000	US-10-128-714-1305	Sequence 3305, Ap
3	56	21.5	70	US-09-864-761-46074	Sequence 46074, A
4	56	21.5	432	US-10-156-761-10911	Sequence 10911, A
5	55	21.2	32	US-09-864-761-35805	Sequence 35805, A
6	55	21.2	89	US-10-106-698-5596	Sequence 5596, Ap
7	55	21.2	1629	US-09-972-467-2	Sequence 2, Appli
8	55	21.2	1882	US-09-918-171A-13	Sequence 13, Appli
9	55	21.2	1907	US-09-938-330-25	Sequence 25, Appli
10	54.5	21.0	1315	US-09-990-046-10	Sequence 10, Appli
11	54.5	21.0	1433	US-10-224-249-14	Sequence 14, Appli
12	54	20.8	623	US-10-108-605-125	Sequence 125, App
13	54	20.8	623	US-10-108-605-129	Sequence 129, App
14	54	20.8	638	US-10-059-585-8	Sequence 8, Appli
15	54	20.8	779	US-08-817-832B-31	Sequence 31, Appli
16	54	20.8	793	US-10-195-101-32	Sequence 32, Appli

17	54	20.8	795	11	US-09-919-585-12	Sequence 12, Appli
18	54	20.8	795	15	US-10-142-356-9	Sequence 9, Appli
19	53.5	20.6	244	11	US-09-734-329-5	Sequence 5, Appli
20	53.5	20.6	428	11	US-09-734-329-2	Sequence 2, Appli
21	53	20.4	90	10	US-09-867-550-1392	Sequence 1392, Ap
22	53	20.4	323	11	US-09-912-672A-8	Sequence 8, Appli
23	53	20.4	538	11	US-09-976-740-43	Sequence 43, Appli
24	53	20.4	538	15	US-10-023-529-43	Sequence 43, Appli
25	53	20.4	538	15	US-10-023-523-43	Sequence 43, Appli
26	53	20.4	560	11	US-09-912-672A-5	Sequence 5, Appli
27	53	20.4	574	10	US-09-728-911-25	Sequence 25, Appli
28	53	20.4	574	11	US-09-870-574-4	Sequence 4, Appli
29	53	20.4	574	11	US-09-912-672A-2	Sequence 2, Appli
30	53	20.4	574	14	US-10-063-588-164	Sequence 164, App
31	53	20.4	574	15	US-10-063-867-164	Sequence 164, App
32	53	20.4	574	15	US-10-063-547-164	Sequence 164, App
33	53	20.4	574	15	US-10-063-616-164	Sequence 164, App
34	53	20.4	574	15	US-10-063-502-164	Sequence 164, App
35	53	20.4	574	15	US-10-063-518-164	Sequence 164, App
36	53	20.4	574	15	US-10-063-598-164	Sequence 164, App
37	53	20.4	574	15	US-10-227-693-164	Sequence 164, App
38	53	20.4	574	15	US-10-063-567-164	Sequence 164, App
39	53	20.4	574	15	US-10-063-538-164	Sequence 164, App
40	53	20.4	574	15	US-10-090-365-25	Sequence 25, Appli
41	53	20.4	574	15	US-10-233-873A-5	Sequence 5, Appli
42	53	20.4	574	15	US-10-063-599-164	Sequence 164, App
43	53	20.4	574	15	US-10-063-595-164	Sequence 164, App
44	53	20.4	574	15	US-10-104-919-25	Sequence 25, Appli
45	53	20.4	574	15	US-10-238-565-4	Sequence 4, Appli

ALIGNMENTS

```
RESULT 1
US-09-864-761-44434
; Sequence 44434, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmca-X-1
; CURRENT APPLICATION NUMBER: US/09/864, 761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180, 312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632, 366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263, 6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
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Query Match	24.2%	Score 63;	DB 10;	Length 70;
Best Local Similarity	34.5%;	Pred. No. 0.74;		
Matches	19;	Conservative	7;	Mismatches 13; Indels 16; Gaps 3

RESULT 2
US-10-128-714-3305

Query Match	21.7%	Score 56.5;	DB 15;	Length 1000;
Best Local Similarity	41.7%	Pred. No. 95;		
Matches 15; Conservative	6;	Mismatches 12;	Indels 3;	Gaps .1

RESULT 3
US-09-864-761-46074
Application US/09864761

```

GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David X.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 46074
LENGTH: 70
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC008752.3
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.4
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.6
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.4
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.4
OTHER INFORMATION: EST HUMAN HIT: BF314489.1, EVALUATE 2.00e-28
OTHER INFORMATION: SWISSPROT HIT: Q13526, EVALUATE 2.00e-29
US-09-864-761-46074

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Query Match 21.5%; Score 56; DB 10; Length 70;
 Best Local Similarity 36.6%; Pred. No. 5.7;
 Matches 15; Conservative 5; Mismatches 17; Indels 4; Gaps 1;

QY 4 GPGGDSPLQRPQHLMDOGCRHSFSAPELLRODKRRS 44
 DB 25 GNGGGEPRVRCSHL---VKHSQSRPSSWROEKITRT 61

RESULT 4

US-10-156-761-10911
 ; Sequence 10911, Application US/10156761
 ; Publication No. US20030119018A1

GENERAL INFORMATION:
 ; APPLICANT: OMURA, SATOSHI
 ; APPLICANT: IKEDA, HARUO
 ; APPLICANT: ISHIKAWA, JUN
 ; APPLICANT: HORIKAWA, HIROSHI
 ; APPLICANT: SHIBA, TADAYOSHI
 ; APPLICANT: SAKAKI, YOSHIYUKI
 ; APPLICANT: HATTORI, MASAHIRA
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 ; FILE REFERENCE: 249-262
 ; CURRENT APPLICATION NUMBER: US/10/156,761
 ; CURRENT FILING DATE: 2002-05-29
 ; PRIOR APPLICATION NUMBER: JP 2001-204089
 ; PRIOR FILING DATE: 2001-05-30
 ; PRIOR APPLICATION NUMBER: JP 2001-272697
 ; PRIOR FILING DATE: 2001-08-02
 ; NUMBER OF SEQ ID NOS: 15109
 ; SEQ ID NO 10911
 ; LENGTH: 432
 ; TYPE: PRT
 ; ORGANISM: Streptomyces avermitilis

US-10-156-761-10911

Query Match 21.5%; Score 56; DB 15; Length 432;
 Best Local Similarity 34.8%; Pred. No. 43;
 Matches 16; Conservative 4; Mismatches 10; Indels 16; Gaps 2;

QY 5 PPGGDSPLQRPQHLMDOGCRHSFSAPELLRODKRRS 39
 DB 199 PRROD-----RPQDLLETGAVYGMDATGFRFRAHRRFFGRTLELRVD 239

RESULT 5

US-09-864-761-35805
 ; Sequence 35805, Application US/09864761
 ; Patent No. US20020048763A1

GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharon G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 ; FILE REFERENCE: Aemica-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR APPLICATION NUMBER: US 09/608,408
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: US 09/774,203
 ; PRIOR FILING DATE: 2001-01-29
 ; NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
 ; SEQ ID NO 35805
 ; LENGTH: 32
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

FEATURE:
 ; OTHER INFORMATION: MAP TO AC007688.15
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2
 ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.5
 ; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.8
 ; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.8
 ; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 3.9
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.1
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.5
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.9
 ; OTHER INFORMATION: EST_HUMAN HIT: BE531168.1, EVALUOE 3.90e-01

US-09-864-761-35805

Query Match 21.2%; Score 55; DB 10; Length 32;
 Best Local Similarity 71.4%; Pred. No. 3.2;
 Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 25 MRHSFSAPELLRQ 38
 DB 11 LQHSFSAPELLRQ 24

RESULT 6

US-10-106-698-5596
 ; Sequence 5596, Application US/10106698
 ; Publication No. US20030109690A1

GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide

FILE REFERENCE: PA005P1
 ; CURRENT APPLICATION NUMBER: US/10/106,698

CURRENT FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524

PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US 60/157,137

PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: US 60/163,280

PRIOR FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 8564

SOFTWARE: PatentIn Ver. 3.0
 ; SEQ ID NO 5596
 ; LENGTH: 89
 ; TYPE: PRT

ORGANISM: Homo sapiens
US-10-106-698-5596

Query Match 21.2%; Score 55; DB 15; Length 89;
Best Local Similarity 35.4%; Pred. No. 10;
Matches 17; Conservative 8; Mismatches 17; Indels 6; Gaps 3;

QY 2 PLGPRGQDSEPLLRPQHL-MDQGMHRSFSGPELLRQDKRRSGS 46
DB 9 PLSPRKRTNVTETPEGVQLDQGDINHLYFVSVCPLLY---SNVRNGS 53

RESULT 7
US-09-972-467-2
Sequence 2, Application US/09972467
Patent No. US2002090373A1
GENERAL INFORMATION:

APPLICANT: PRIZER INC.
TITLE OF INVENTION: ADAMTS POLYPEPTIDES, NUCLEIC ACIDS ENCODING THEM, AND
FILE REFERENCE: PC10850A
CURRENT APPLICATION NUMBER: US/09/972,467
CURRENT FILING DATE: 2001-10-05
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2
LENGTH: 1629
TYPE: PRT
ORGANISM: Human

US-09-972-467-2

Query Match 21.2%; Score 55; DB 10; Length 1629;
Best Local Similarity 35.9%; Pred. No. 2.5e+02;
Matches 14; Conservative 3; Mismatches 16; Indels 6; Gaps 1;

QY 8 QDSPILQRPQHLMDQGMHRSFSGPELLRQDKRRSGS 46
DB 1288 QDCSMSPCQRTPTDPSGLAQHPFQ-----NEDYRPRSAS 1320

RESULT 8
US-09-918-171A-13
Sequence 13, Application US/09918171A
Patent No. US20020110894A1
GENERAL INFORMATION:

APPLICANT: Apte, Suneel
APPLICANT: Hirohata, Satoshi
TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases
FILE REFERENCE: 26473/04193
CURRENT APPLICATION NUMBER: US/09/918,171A
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 09/369,364
PRIOR FILING DATE: 1999-08-06
NUMBER OF SEQ ID NOS: 31
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 13
LENGTH: 1882
TYPE: PRT
ORGANISM: Homo sapiens ADAMTS-9

FEATURE:
NAME/KEY: MOD_RES
LOCATION: (468)
OTHER INFORMATION: Xaa = Cys
NAME/KEY: MOD_RES
LOCATION: (521)
OTHER INFORMATION: Xaa = Tyr
US-09-918-171A-13

Query Match 21.2%; Score 55; DB 11; Length 1882;
Best Local Similarity 35.9%; Pred. No. 3e+02;
Matches 14; Conservative 3; Mismatches 16; Indels 6; Gaps 1;

QY 8 QDSPILQRPQHLMDQGMHRSFSGPELLRQDKRRSGS 46
DB 1235 QDCSMSPCQRTPTDPSGLAQHPFQ-----NEDYRPRSAS 1267

RESULT 9
US-09-938-330-25
Sequence 25, Application US/09938330
Patent No. US20020115838A1
GENERAL INFORMATION:

APPLICANT: Walke, D. Wade
APPLICANT: Hildun, Erin
APPLICANT: Scoville, John
APPLICANT: Friddele, Carl Johan
APPLICANT: Hu, Yi
APPLICANT: Turner, C. Alexander Jr.
TITLE OF INVENTION: NO. US20020115838A1e1 Human Proteases and Polynucleotides Encodin
FILE REFERENCE: LEX-0237-USA
CURRENT APPLICATION NUMBER: US/09/938,330
CURRENT FILING DATE: 2001-08-22
PRIOR APPLICATION NUMBER: US 60/227,104
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: US 60/233,796
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 25
LENGTH: 1907
TYPE: PRT
ORGANISM: homo sapiens

US-09-938-330-25

Query Match 21.2%; Score 55; DB 11; Length 1907;
Best Local Similarity 35.9%; Pred. No. 3e+02;
Matches 14; Conservative 3; Mismatches 16; Indels 6; Gaps 1;

QY 8 QDSPILQRPQHLMDQGMHRSFSGPELLRQDKRRSGS 46
DB 1260 QDCSMSPCQRTPTDPSGLAQHPFQ-----NEDYRPRSAS 1292

RESULT 10
US-09-990-046-10
Sequence 10, Application US/09990046
Patent No. US20020156245A1
GENERAL INFORMATION:

APPLICANT: de Sauvage, Frederic
APPLICANT: Carpenter, David A.
TITLE OF INVENTION: Patched-2
FILE REFERENCE: P1405R1
CURRENT APPLICATION NUMBER: US/09/990,046
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/293,505
PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-15
NUMBER OF SEQ ID NOS: 32
SEQ ID NO 10
LENGTH: 1315
TYPE: PRT
ORGANISM: Homo sapiens
US-09-990-046-10

Query Match 21.0%; Score 54.5; DB 11; Length 1315;
Best Local Similarity 26.8%; Pred. No. 2.3e+02;
Matches 15; Conservative 11; Mismatches 19; Indels 11; Gaps 2;

QY 3 LGPRGQDSEPLLRPQHLMDQGMHRSFSGPELLRQDKR-----PRSGST 47
DB 292 LAPKGNQSRILTLQAYKRWAEAMQKHQNTGPALPQEDKTSKVAPGAPLPRLGAT 347

RESULT 11
US-10-224-249-14
Sequence 14, Application US/10224249

Publication No. US20030087867A1
GENERAL INFORMATION:
APPLICANT: Vogels, Ronald V.
TITLE OF INVENTION: Gene therapy for enhancing and/or inducing angiogenesis
FILE REFERENCE: 2183-5233US
CURRENT APPLICATION NUMBER: US/10/224,249
PRIOR FILING DATE: 2002-08-19
PRIOR APPLICATION NUMBER: PCT/NL00/00482
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: EP 99202263.2
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: US 60/143,101
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
LENGTH: 1433
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CHAIN
LOCATION: (1)..(1433)
OTHER INFORMATION: Human nitric oxide synthase
US-10-224-249-14

Query Match 21.0%; Score 54.5; DB 15; Length 1433;
Best Local Similarity 29.0%; Pred. No. 2.6e+02;
Matches 18; Conservative 5; Mismatches 16; Indels 23; Gaps 3;

Qy 1 EPLG-----PRGDSPLL-----QRPQIMDGGQMRHSF--SAGEPLL 37
Db 124 QPLGPTKAVLDVSHQPKGEQPLAVDGA SGNGNGFQAHYDGGQAGSLPHANGWPOAPR 183

Qy 38 QD 39
Db 184 QD 185

RESULT 12
US-10-108-605-125
Sequence 125, Application US/10108605
Publication No. US20020160934A1
GENERAL INFORMATION:
APPLICANT: Broadus, Julie
APPLICANT: Stam, Lynn
APPLICANT: Bachmann, Jane
APPLICANT: Kamdar, Kim
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
FILE REFERENCE: 31133B
CURRENT APPLICATION NUMBER: US/10/108,605
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: US 09/761,142
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/176,418
PRIOR FILING DATE: 2000-01-14
NUMBER OF SEQ ID NOS: 361
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 125
LENGTH: 623
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-10-108-605-125

Query Match 20.8%; Score 54; DB 15; Length 623;
Best Local Similarity 35.4%; Pred. No. 1.2e+02;
Matches 17; Conservative 4; Mismatches 19; Indels 8; Gaps 2;

Qy 8 QDSPLRPPQHL-----MDGQMRHSFSAPELLLRQDKRPRSGSTGS 49
Db 110 QQSLLQHPQQQQQSHSQSQQQQDHGYSAGQL--PHHRLSGSGSTGS 155

RESULT 13
US-10-108-605-129
Sequence 129, Application US/10108605
Publication No. US20020160934A1
GENERAL INFORMATION:
APPLICANT: Broadus, Julie
APPLICANT: Stam, Lynn
APPLICANT: Bachmann, Jane
APPLICANT: Kamdar, Kim
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
FILE REFERENCE: 31133B
CURRENT APPLICATION NUMBER: US/10/108,605
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: US 09/761,142
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/176,418
NUMBER OF SEQ ID NOS: 361
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 129
LENGTH: 623
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-10-108-605-129

Query Match 20.8%; Score 54; DB 15; Length 623;
Best Local Similarity 35.4%; Pred. No. 1.2e+02;
Matches 17; Conservative 4; Mismatches 19; Indels 8; Gaps 2;

Qy 8 QDSPLRPPQHL-----MDGQMRHSFSAPELLLRQDKRPRSGSTGS 49
Db 110 QQSLLQHPQQQQQSHSQSQQQQDHGYSAGQL--PHHRLSGSGSTGS 155

RESULT 14
US-10-059-585-8
Sequence 8, Application US/10059585
Publication No. US2003008276A1
GENERAL INFORMATION:
APPLICANT: Ota, Toshio
APPLICANT: Isogai, Takao
APPLICANT: Nishikawa, Tetsuo
APPLICANT: Hayashi, Koji
APPLICANT: Otsuka, Kaoru
APPLICANT: Yamamoto, Jun-ichi
APPLICANT: Ishii, Shizuko
APPLICANT: Sugiyama, Tomoyasu
APPLICANT: Wakamatsu, Ai
APPLICANT: Nagai, Keiichi
APPLICANT: Otsuki, Tetsuji
APPLICANT: Funahashi, Shin-ichi
APPLICANT: Senoo, Chiaki
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
FILE REFERENCE: 06501-098001
CURRENT APPLICATION NUMBER: US/10/059,585
CURRENT FILING DATE: 2002-01-29
PRIOR APPLICATION NUMBER: PCT/JP00/05060
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: US 60/183,322
PRIOR FILING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: US 60/159,590
PRIOR FILING DATE: 1999-10-16
PRIOR APPLICATION NUMBER: JP 2000-118776
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: JP 2000-183767
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: JP 11-248036
PRIOR FILING DATE: 1999-07-29
NUMBER OF SEQ ID NOS: 64

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 638
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-8

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Query Match          20.8%; Score 54; DB 15; Length 638;
Best Local Similarity 36.2%; Pred. No. 1.2e+02;
Matches 17; Conservative 5; Mismatches 15; Indels 10; Gaps 2;

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QY      13 LQRPQHL-----MDQGQMRHSFSAGPEL---LRQDKRPRSGSTGS 49
DB      266 LQSPALHVKVQRTISANQKQRFSDHAGPSIPPAVSYTKRPPQANSVES 312

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RESULT 15

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US-08-817-832B-31
; Sequence 31, Application US/08817832B
; Publication No. US20030104516A1
; GENERAL INFORMATION:
; APPLICANT: MANDELKOW, Eckhard, et al.
; TITLE OF INVENTION: No. US20030104516A1 Protein Kinase (NPK-110)
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 S. Wacker Drive, 6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; COUNTRY: US
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/817,832B
; FILING DATE: 28-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/EP95/04258
; FILING DATE: 30-OCT-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 94 11 7122.5
; FILING DATE: 28-OCT-1994
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 779 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-817-832B-31

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Query Match          20.8%; Score 54; DB 8; Length 779;
Best Local Similarity 36.2%; Pred. No. 1.5e+02;
Matches 17; Conservative 5; Mismatches 15; Indels 10; Gaps 2;

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QY      13 LQRPQHL-----MDQGQMRHSFSAGPEL---LRQDKRPRSGSTGS 49
DB      388 LQSPALHVKVQRTISANQKQRFSDHAGPSIPPAVSYTKRPPQANSVES 434

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Search completed: July 18, 2003, 19:36:27
Job time: 6.88287 sec

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: July 18, 2003, 19:21:46 / Search time 4.66325 Seconds
(without alignments)
309.167 Million cell updates/sec

Title: US-09-991-681-31

Perfect score: 260
Sequence: 1 EPLGPRGDSPLRQPHLM.....SAGEPLLRQDKRPRSGTGS 49

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCTUS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	260	100.0	49	US-09-065-383-31	Sequence 31, Appl
2	260	100.0	518	US-09-065-383-27	Sequence 27, Appl
3	56.5	21.7	312	US-09-230-637-34	Sequence 34, Appl
4	56.5	21.7	313	US-09-347-878-30	Sequence 30, Appl
5	56.5	21.7	313	US-09-367-007C-39	Sequence 39, Appl
6	56	21.5	163	US-09-066-074-2	Sequence 2, Appl
7	56	21.5	163	US-08-555-912A-2	Sequence 2, Appl
8	56	21.5	163	US-09-208-804-4	Sequence 4, Appl
9	56	21.5	163	US-08-801-743-4	Sequence 4, Appl
10	55	21.2	1882	US-09-369-364A-13	Sequence 13, Appl
11	54.5	21.0	647	US-09-031-563-7	Sequence 7, Appl
12	54.5	21.0	647	US-09-392-277-7	Sequence 7, Appl
13	54.5	21.0	648	US-09-031-563-5	Sequence 5, Appl
14	54.5	21.0	648	US-09-392-277-5	Sequence 5, Appl
15	54.5	21.0	1055	US-09-031-563-27	Sequence 27, Appl
16	54.5	21.0	1055	US-09-392-277-27	Sequence 27, Appl
17	54.5	21.0	1315	US-09-031-563-2	Sequence 2, Appl
18	54.5	21.0	1315	US-09-031-563-25	Sequence 25, Appl
19	54.5	21.0	1315	US-09-293-505-10	Sequence 10, Appl
20	54.5	21.0	1315	US-09-392-277-2	Sequence 2, Appl
21	54.5	21.0	1315	US-09-392-277-25	Sequence 25, Appl
22	54.5	21.0	1433	US-08-365-486A-21	Sequence 21, Appl
23	54.5	21.0	1433	US-09-123-708-4	Sequence 4, Appl
24	54.5	21.0	1433	US-09-123-624-4	Sequence 4, Appl
25	54.5	21.0	1433	US-08-880-342-21	Sequence 21, Appl
26	54	20.8	260	US-08-558-135-7	Sequence 7, Appl
27	54	20.8	793	US-09-523-849-32	Sequence 32, Appl

28	53.5	20.6	284	2	US-08-751-233A-6	Sequence 6, Appl
29	53	20.4	454	1	US-08-166-316-2	Sequence 2, Appl
30	53	20.4	574	2	US-08-906-713-2	Sequence 2, Appl
31	52.5	20.2	284	2	US-08-751-233A-8	Sequence 8, Appl
32	52.5	20.2	1284	4	US-09-343-494-9	Sequence 9, Appl
33	51	19.6	265	4	US-09-134-001C-3336	Sequence 3336, Ap
34	51	19.6	485	2	US-08-749-391-2	Sequence 2, Appl
35	51	19.6	485	4	US-09-390-200-2	Sequence 2, Appl
36	51	19.6	510	4	US-09-522-217-89	Sequence 89, Appl
37	50.5	19.4	466	4	US-08-868-435-2	Sequence 2, Appl
38	50.5	19.4	466	1	US-08-744-231-2	Sequence 2, Appl
39	50.5	19.4	600	1	US-08-253-785-3	Sequence 3, Appl
40	50	19.2	330	3	US-08-851-843A-203	Sequence 203, App
41	50	19.2	330	4	US-08-974-549A-322	Sequence 322, App
42	50	19.2	330	4	US-08-854-050-203	Sequence 203, App
43	50	19.2	330	4	US-09-430-333-203	Sequence 203, App
44	50	19.2	570	4	US-08-969-046-4	Sequence 4, Appl
45	50	19.2	603	4	US-09-196-122-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-065-383-31
Sequence 31, Application US/09065383
Patent No. 6391543
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-31

Query Match 100.0%; Score 260; DB 4; Length 49;
Best Local Similarity 100.0%; Pred. No. 5.1e-30;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPLGPGGDSPLLORPOHLMDOGMHSPSAGPELLRODKRPRSGSGTGS 49
Db 1 EPLGPGGDSPLLORPOHLMDOGMHSPSAGPELLRODKRPRSGSGTGS 49

RESULT 2

US-09-065-383-27
Sequence 27, Application US/09065383
Patent No. 6391543

GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623

TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-27

-Query Match 100.0%; Score 260; DB 4; Length 518;
Best Local Similarity 100.0%; Pred. No. 8.9e-29;

Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPLGPGGDSPLLORPOHLMDOGMHSPSAGPELLRODKRPRSGSGTGS 49
Db 393 EPLGPGGDSPLLORPOHLMDOGMHSPSAGPELLRODKRPRSGSGTGS 441

RESULT 3
US-09-230-637-34
Sequence 34, Application US/09230637
Patent No. 6264958

GENERAL INFORMATION:
APPLICANT: Hayward, Gary
APPLICANT: Nicholas, John
APPLICANT: Hardwick, J. Marie
APPLICANT: Reitz, Marvin
TITLE OF INVENTION: No. 6264958el Genes of Kaposi's Sarcoma
TITLE OF INVENTION: Associated Herpesvirus
FILE REFERENCE: 1107.78372
CURRENT APPLICATION NUMBER: US/09/230,637
CURRENT FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: 60/022,591
PRIOR FILING DATE: 1996-07-25
PRIOR APPLICATION NUMBER: PCT US 97/12931
NUMBER OF SEQ ID NOS: 62
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 34
LENGTH: 312
TYPE: PRT
ORGANISM: Homo sapiens
US-09-230-637-34

Query Match 21.7%; Score 56.5; DB 4; Length 312;
Best Local Similarity 34.0%; Pred. No. 3.3; 19; Indels 5; Gaps 2;
Matches 16; Conservative 7; Mismatches 19; Indels 5; Gaps 2;

QY 2 PLGPGGDSPLLORPOH--LMDQGMHSPSAGPELLRODKRPRSGS 46
Db 11 PLGPAQGERDAPRRPHGLQYLGLQIHLRCG---VRKDDRTGTGT 54

RESULT 4
US-09-347-878-30
Sequence 30, Application US/09347878C
Patent No. 6376210
GENERAL INFORMATION:
APPLICANT: Yvan, Chong
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ASSAYING ANALYTES
FILE REFERENCE: 25885-1651
CURRENT APPLICATION NUMBER: US/09/347,878C
CURRENT FILING DATE: 1999-07-06
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 313
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Human thymidylate synthase protein sequence
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: D00596/genbank
US-09-347-878-30

Query Match 21.7%; Score 56.5; DB 4; Length 313;
Best Local Similarity 34.0%; Pred. No. 3.3; 19; Indels 5; Gaps 2;
Matches 16; Conservative 7; Mismatches 19; Indels 5; Gaps 2;

QY 2 PLGPGGDSPLLORPOH--LMDQGMHSPSAGPELLRODKRPRSGS 46
Db 12 PLGPAQGERDAPRRPHGLQYLGLQIHLRCG---VRKDDRTGTGT 55

RESULT 5
US-09-367-007C-39
; Sequence 39, Application US/09367007C
; Patent No. 6416987
; GENERAL INFORMATION:
; APPLICANT: Bertino, Joseph R.
; APPLICANT: Banerjee, Debabrata
; APPLICANT: Tong, Youzhi
; APPLICANT: Liu-Chen, Xinyue
; TITLE OF INVENTION: Mutants of Thymidylate Synthase and, Uses Thereof
; FILE REFERENCE: D5978
; CURRENT APPLICATION NUMBER: US/09/367, 007C
; CURRENT FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: PCT/US98/02145
; PRIOR FILING DATE: 1998-01-03
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO: 39
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: wild type human thymidylate synthase amino acid
; OTHER INFORMATION: sequence (Genbank accession number NP001062)
US-09-367-007C-39

Query Match 21.7%; Score 56.5; DB 4; Length 313;
Best Local Similarity 34.0%; Pred. No. 3.3;
Matches 16; Conservative 7; Mismatches 19; Indels 5; Gaps 2;

Qy 2 PLPGQDSPLQRPQH--LMDQGMRSFSAGPELLRODKRPRS 46
Db 12 PLPPAQRDAERPRPHGLQYLGQIQHILRCG---VRKDRTGCT 55

RESULT 6
US-09-066-074-2
; Sequence 2, Application US/09066074
; Patent No. 5952467
; GENERAL INFORMATION:
; APPLICANT: Hunter et al., Tony
; TITLE OF INVENTION: NIMA INTERACTING PROTEINS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/066,074
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/555,912
; FILING DATE: 13-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07251/011001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 163 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

; MOLECULE TYPE: protein
US-09-066-074-2

Query Match 21.5%; Score 56; DB 2; Length 163;
Best Local Similarity 36.6%; Pred. No. 1.8;
Matches 15; Conservative 5; Mismatches 17; Indels 4; Gaps 1;

Qy 4 GPRGQDSPLQRPQHLMDOGMRSFSAGPELLRODKRPRS 44
Db 45 GKNGGEPARVRCSHL---VKHSQSRPSSWQEKITRT 81

RESULT 7
US-08-555-912A-2
; Sequence 2, Application US/08555912A
; Patent No. 5972697
; GENERAL INFORMATION:
; APPLICANT: Hunter et al., Tony
; TITLE OF INVENTION: NIMA INTERACTING PROTEINS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/555,912A
; FILING DATE: 13-NOV-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07251/011001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 163 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-555-912A-2

Query Match 21.5%; Score 56; DB 2; Length 163;
Best Local Similarity 36.6%; Pred. No. 1.8;
Matches 15; Conservative 5; Mismatches 17; Indels 4; Gaps 1;

Qy 4 GPRGQDSPLQRPQHLMDOGMRSFSAGPELLRODKRPRS 44
Db 45 GKNGGEPARVRCSHL---VKHSQSRPSSWQEKITRT 81

RESULT 8
US-09-208-804-4
; Sequence 4, Application US/09208804
; Patent No. 6030826
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: NOVEL HUMAN PARVULIN-LIKE PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA

COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: IBM Compatible
 SOFTWARE: FASTSEQ for windows version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/208,804
 FILING DATE: Herewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/801,743
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0217 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 163 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 1332710
 US-09-208-804-4

Query Match 21.5%; Score 56; DB 3; Length 163;
 Best Local Similarity 36.6%; Pred. No. 1.8; 17; Indels 4; Gaps 1;
 Matches 15; Conservative 5; Mismatches 17; Indels 4; Gaps 1;
 QY 4 GPRGDSPLLRPQHLMDOGMHRSFSAGPELLRODKRPRS 44
 DB 45 GKNQGEPAVRVRCSHL-----VKHSQSRPSSWRQEKITRT 81

RESULT 9
 US-08-801-743-4
 Sequence 4, Application US/08801743
 Patent No. 6037164
 GENERAL INFORMATION:
 APPLICANT: Au-Young, Janice
 TITLE OF INVENTION: NOVEL HUMAN PARVULIN-LIKE PROTEIN
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: IBM Compatible
 SOFTWARE: FASTSEQ for windows version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/801,743
 FILING DATE: Herewith
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0217 US

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 163 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 1332710
 US-08-801-743-4

Query Match 21.5%; Score 56; DB 3; Length 163;
 Best Local Similarity 36.6%; Pred. No. 1.8; 17; Indels 4; Gaps 1;
 Matches 15; Conservative 5; Mismatches 17; Indels 4; Gaps 1;
 QY 4 GPRGDSPLLRPQHLMDOGMHRSFSAGPELLRODKRPRS 44
 DB 45 GKNQGEPAVRVRCSHL-----VKHSQSRPSSWRQEKITRT 81

RESULT 10
 US-09-369-364A-13
 Sequence 13, Application US/09369364A
 Patent No. 6391610
 GENERAL INFORMATION:
 APPLICANT: Apte, Suneel
 APPLICANT: Hurskainen, Tiina L.
 TITLE OF INVENTION: Nucleic Acids Encoding Zinc Metalloproteases
 FILE REFERENCE: 26473/4007/10-30-00
 CURRENT APPLICATION NUMBER: US/09/369,364A
 CURRENT FILING DATE: 1999-08-06
 NUMBER OF SEQ ID NOS: 31
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 13
 LENGTH: 1882
 TYPE: PRT
 ORGANISM: Homo sapiens ADAMTS-9
 FEATURE:
 NAME/KEY: MOD RES
 LOCATION: (468)
 OTHER INFORMATION: Xaa = C
 NAME/KEY: MOD RES
 LOCATION: (521)
 OTHER INFORMATION: Xaa = Y
 US-09-369-364A-13

Query Match 21.2%; Score 55; DB 4; Length 1882;
 Best Local Similarity 35.9%; Pred. No. 48;
 Matches 14; Conservative 3; Mismatches 16; Indels 6; Gaps 1;

QY 8 QDSPLLRPQHLMDOGMHRSFSAGPELLRODKRPRS 46
 DB 1235 QDSWSPCQRTPTDGLAQHPQ-----NEDYRPRSAS 1267

RESULT 11
 US-09-031-563-7
 Sequence 7, Application US/09031563A
 Patent No. 6022708
 GENERAL INFORMATION:
 APPLICANT: Frederic de Sauvage
 APPLICANT: Arnon Roshenthal
 TITLE OF INVENTION: Fused
 FILE REFERENCE: P1272
 CURRENT APPLICATION NUMBER: US/09/031,563A
 CURRENT FILING DATE: 1998-02-26
 NUMBER OF SEQ ID NOS: 27
 SEQ ID NO 7

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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:46 ; Search time 50.3631 Seconds
(without alignments)
627.283 Million cell updates/sec

Title: US-09-991-681-31

Perfect score: 260
Sequence: 1 EPLGPRGQDSPILQRPQHL.....SAGPELLRQDKRPRSGSTGS 49

Scoring table: BLOSUM62
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Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Pending Patente AA Main:*

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22: /cgn2_6/ptodata/1/paa/US099_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	260	100.0	49	US-09-991-681-31	Sequence 31, Appl
3	260	100.0	467	US-08-842-385-6	Sequence 6, Appl
4	260	100.0	518	US-09-991-681-27	Sequence 27, Appl
5	260	100.0	1270	US-10-144-198-44	Sequence 44, Appl
6	260	100.0	1807	PCT-US01-08631-40087	Sequence 40087, A

7	260	100.0	1839	1	PCT-US01-42950-495	Sequence 495, Appl
8	260	100.0	1982	1	PCT-US01-08631-40090	Sequence 40090, A
9	260	100.0	2221	25	US-10-144-198-30	Sequence 30, Appl
10	70.5	27.1	309	16	US-09-252-991A-17975	Sequence 17975, A
11	67	25.8	195	1	PCT-US01-08656-9053	Sequence 9053, Appl
12	65	25.0	693	16	US-09-252-991A-24059	Sequence 24059, A
13	64.5	24.8	501	16	US-09-252-991A-21596	Sequence 21596, A
14	63.5	24.4	132	26	US-10-212-759-1669	Sequence 1669, Appl
15	63.5	24.4	732	26	US-10-212-759-1669	Sequence 1669, Appl
16	63	24.2	170	1	PCT-US01-08653-34316	Sequence 34316, A
17	63	24.2	70	22	US-09-864-761-44434	Sequence 44434, A
18	63	24.2	70	25	US-10-182-993-33256	Sequence 33256, A
19	63	24.2	70	26	US-10-203-134-34171	Sequence 34171, A
20	63	24.2	70	26	US-10-203-135-33418	Sequence 33418, A
21	63	24.2	70	26	US-10-203-136-34264	Sequence 34264, A
22	63	24.2	70	26	US-10-203-137-34316	Sequence 34316, A
23	63	24.2	70	26	US-10-203-139-33291	Sequence 33291, A
24	63	24.2	171	1	PCT-US01-08631-52610	Sequence 52610, A
25	63	24.2	504	16	US-09-252-991A-23374	Sequence 23374, A
26	62	23.8	87	20	US-09-644-265-116	Sequence 116, Appl
27	62	23.8	87	24	US-10-263-828-116	Sequence 116, Appl
28	62	23.8	567	16	US-09-252-991A-28435	Sequence 28435, A
29	61	23.5	171	16	US-09-252-991A-18380	Sequence 18380, A
30	61	23.5	250	1	PCT-US02-30474-1778	Sequence 1778, Appl
31	61	23.5	250	24	US-10-097-105-1562	Sequence 1562, Appl
32	61	23.5	250	27	US-09-324-631-1783	Sequence 1783, Appl
33	61	23.5	361	18	US-09-417-507-38079	Sequence 38079, A
34	61	23.5	601	27	US-09-207-583-609	Sequence 609, Appl
35	61	23.5	601	27	US-09-230-445-1374	Sequence 1374, Appl
36	61	23.5	604	27	US-09-243-468-1114	Sequence 1114, Appl
37	61	23.5	1216	27	US-09-207-422-78	Sequence 78, Appl
38	60.5	23.3	404	24	US-10-015-127-13864	Sequence 13864, A
39	60	23.1	392	16	US-09-248-796-19946	Sequence 19946, A
40	60	23.1	392	27	US-09-096-409-19946	Sequence 19946, A
41	60	23.1	1671	1	PCT-US02-03987-15596	Sequence 15596, A
42	60	23.1	1671	24	US-10-032-885-7596	Sequence 7596, Appl
43	60	23.1	1671	24	US-10-072-851-15540	Sequence 15540, A
44	60	23.1	1671	27	US-09-314-050-7596	Sequence 7596, Appl
45	60	23.1	1672	25	US-10-179-131-5392	Sequence 5392, Appl

ALIGNMENTS

RESULT 1
US-08-842-385-10
Sequence 10, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
TITLE OF INVENTION: Colpits, Tracey
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PASTESO for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842.385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Porembski, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-10

Query Match 100.0%; Score 260; DB 12; Length 49;
Best Local Similarity 100.0%; Pred. No. 5,4e-25;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPLGPRGDSPLLRPOHMDGQMRHSFSAPELLRQDKRPRSSTGS 49
Db 1 EPLGPRGDSPLLRPOHMDGQMRHSFSAPELLRQDKRPRSSTGS 49

RESULT 2
US-09-991-681-31
Sequence 31, Application US/09991681
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-991-681-31

Query Match 100.0%; Score 260; DB 23; Length 49;
Best Local Similarity 100.0%; Pred. No. 5,4e-25;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPLGPRGDSPLLRPOHMDGQMRHSFSAPELLRQDKRPRSSTGS 49
Db 1 EPLGPRGDSPLLRPOHMDGQMRHSFSAPELLRQDKRPRSSTGS 49

RESULT 3
US-08-842-385-6
Sequence 6, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
COLPITTS, TRACEY
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Porembski, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-6

Query Match 100.0%; Score 260; DB 12; Length 467;
Best Local Similarity 100.0%; Pred. No. 9e-24;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPLGPRGDSPLLRPOHMDGQMRHSFSAPELLRQDKRPRSSTGS 49
Db 342 EPLGPRGDSPLLRPOHMDGQMRHSFSAPELLRQDKRPRSSTGS 390

RESULT 4
US-09-991-681-27
Sequence 27, Application US/09991681
GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANDOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAPF, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-991-681-27
Query Match 100.0%; Score 260; DB 23; Length 518;
Best Local Similarity 100.0%; Pred. No. 1e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 EPLGRGDSPLLRPOHLMDOGMRHSFSA GPELLRQDKRPRSGSTGS 49
Db 393 EPLGRGDSPLLRPOHLMDOGMRHSFSA GPELLRQDKRPRSGSTGS 441
RESULT 5
US-10-144-198-44
Sequence 44, Application US/10144198
GENERAL INFORMATION:
APPLICANT: Origene Technologies Inc
TITLE OF INVENTION: Regulated Prostate Cance Genes
FILE REFERENCE: 9U 105 R1
CURRENT APPLICATION NUMBER: US/10/144,198
CURRENT FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn version 3.0
SEQ ID NO 44
LENGTH: 1770
TYPE: PRT

ORGANISM: Homo sapiens
US-10-144-198-44
Query Match 100.0%; Score 260; DB 25; Length 1770;
Best Local Similarity 100.0%; Pred. No. 4.8e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 EPLGRGDSPLLRPOHLMDOGMRHSFSA GPELLRQDKRPRSGSTGS 49
Db 1645 EPLGRGDSPLLRPOHLMDOGMRHSFSA GPELLRQDKRPRSGSTGS 1693
RESULT 6
PCT-US01-08631-40087
Sequence 40087, Application PC/TUS0108631
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-049
CURRENT APPLICATION NUMBER: PCT/US01/08631
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 40087
LENGTH: 1807
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (48)..(62)
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX.
OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39
LOCATION: (941)..(950)
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40087
Query Match 100.0%; Score 260; DB 1; Length 1807;
Best Local Similarity 100.0%; Pred. No. 4.9e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1682 EPLGRGDSPLLRPOHLMDOGMRHSFSA GPELLRQDKRPRSGSTGS 1730
RESULT 7
PCT-US01-42950-495
Sequence 495, Application PC/TUS0142950
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-096
CURRENT APPLICATION NUMBER: PCT/US01/42950
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 09/714,936
PRIOR FILING DATE: 2000-11-17
NUMBER OF SEQ ID NOS: 682
SOFTWARE: PatentIn version 3.0
SEQ ID NO 495
LENGTH: 1839
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US01-42950-495
Query Match 100.0%; Score 260; DB 1; Length 1839;
Best Local Similarity 100.0%; Pred. No. 5e-23;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EPLGRGQDSPLLQRQNLMDGQMRNHSAGPELLRQDKRPRGSGTGS 49
1714 EPLGRGQDSPLLQRQNLMDGQMRNHSAGPELLRQDKRPRGSGTGS 1762

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RESULT 8
PCT-US01-08631-40090
; Sequence 40090, Application PC/TUS0108631
; GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-049
CURRENT APPLICATION NUMBER: PCT/US01/08631
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 40090
LENGTH: 1982
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (11)..(25)
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,
OTHER INFORMATION: accession number PF00523D, p-value=7.189e-10, raw score of 11.39
NAME/KEY: DOMAIN
LOCATION: (1065)..(1074)
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
OTHER INFORMATION: accession name Fcplidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40090

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				Gaps	0
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RESULT 9
US-10-144-198-30
; Sequence 30, Application US/10144198
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies Inc
; TITLE OF INVENTION: Regulated Prostate Cance Genes
; FILE REFERENCE: 9U 105 R1
; CURRENT APPLICATION NUMBER: US/10/144,198
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-144-198-30

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	Query Match	Similarity	Score	DB	length
Best Local	100.0%	100.0%	260	25	2221
Matches	49	Conservative	0	Mismatches	0
			Indels	0	Gaps
Qy	1	EPLEGRGDSPILORPQHLMDCGCKRHSSAPELLRQDKRRSSTGS	49		
Db	2036	EPLEGRGDSPILORPQHLMDCGCKRHSSAPELLRQDKRRSSTGS	2144		

RESULT 10
US-09-252-991A-17975

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: Sequence 17975, Application US/09252991A
: GENERAL INFORMATION:
: APPLICANT: Marc J. Rubenfield et al.
: TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
: TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
: FILE REFERENCE: 107196.136
: CURRENT APPLICATION NUMBER: US/09/252.991A
: PRIOR FILING DATE: 1999-02-18
: PRIOR APPLICATION NUMBER: US 60/074,788
: PRIOR FILING DATE: 1998-02-18
: PRIOR APPLICATION NUMBER: US 60/094,190
: PRIOR FILING DATE: 1998-07-27
: NUMBER OF SEQ ID NOS: 33142
: SEQ ID NO 17975
: LENGTH: 309
: TYPE: PRT
: ORGANISM: Pseudomonas aeruginosa
: US-09-252-991A-17975

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Query Match	27.1%	Score 70.5	DB 16	Length 309
Best Local Similarity	41.5%	Pred. No. 5.3		
Matches	22	Conservative	3	Mismatches 19; Indels 9; Gaps 2
QY	2	PLGRG----	ODSFLQPPHIMDQGGWRHFSACPF-----	LLRQDKRPSG 45
Db	194	PLGRGPRRKEQLLAASRSQRLGRORLWRHRRHSHSGRHCSAGCLPRRNRPPAG		246

```

RESULT 11
PCT-US01-08655-9053
: Sequence 9053, Application PC/TUS0108656
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
: FILE REFERENCE: 21272-066
: CURRENT APPLICATION NUMBER: PCT/US01/08656
: CURRENT FILING DATE: 2001-04-16
: PRIOR APPLICATION NUMBER: 09/522,929
: PRIOR FILING DATE: 2000-04-18
: PRIOR APPLICATION NUMBER: 09/770,160
: PRIOR FILING DATE: 2001-01-26
: NUMBER OF SEQ ID NOS: 10994
: SOFTWARE: Custom
: SEQ ID NO 9053
: LENGTH: 195
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: DOMAIN
: LOCATION: (33)..(48)
: OTHER INFORMATION: WWP/rsps/WWP domain proteins domain identified by eMATRIX,
: OTHER INFORMATION: accession number BL01159, p-value=3.077e-15, raw score of 13.85
PCT-US01-08655-9053

```

Query March 35.8%; Score 67; DB 1; Length 195;
Best Local Similarity 37.5%; Pred. No. 8.2;
Matches 18; Conservative 6; Mismatches 18; Indels 6; Gaps 2

```

RESULT 12
US-09-252-991A-24059
; Sequence 24059, Application US/09252991A
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107136.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18

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; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24059
; LENGTH: 693
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24059

Query Match      25.0%; Score 65; DB 16; Length 693;
Best Local Similarity 29.2%; Pred. No. 72;
Matches 19; Conservative 5; Mismatches 19; Indels 22; Gaps 1;

QY 2 PLGPGGDSPLQRPQHLMDCGMRHSFSGPELLRQDKRPSGS 39
DB 310 PLASGQREGLQRAATLAEGRRASPTLESAPETADVTVSHFLGDTFGHPVAAQA 369
QY 40 KRPRS 44
DB 370 HRPRS 374

RESULT 13
US-09-252-991A-21596
; Sequence 21596, Application US/09252991A
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21596
; LENGTH: 501
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21596

Query Match      24.8%; Score 64.5; DB 16; Length 501;
Best Local Similarity 33.3%; Pred. No. 55;
Matches 15; Conservative 5; Mismatches 14; Indels 11; Gaps 1;

QY 2 PLGPGGDSPLQRPQHLMDCGMRHSFSGPELLRQDKRPSGS 46
DB 368 PVGPGDQDGP-----AQAGRGFRPDRLLRGRPLRGA 401

RESULT 14
US-09-758-446-1669
; Sequence 1669, Application US/09758446
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PM019
; CURRENT APPLICATION NUMBER: US/09/758,446
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 1734
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1669
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Homo sapiens

```

```

; FEATURE:
; NAME/KEY: SITE
; LOCATION: (40)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (68)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (105)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (119)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (120)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (132)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-758-446-1669

Query Match      24.4%; Score 63.5; DB 21; Length 132;
Best Local Similarity 36.7%; Pred. No. 14;
Matches 18; Conservative 6; Mismatches 24; Indels 1; Gaps 1;

QY 2 PLGPGGDSPLQRPQHLMDCGMRHSFSGPELLRQDKRPSGSTS 49
DB 30 PSLPTESARXGSRPTGVADQAOHSHPAVPSSRXQLHHSDGATGA 78

RESULT 15
US-10-212-759-1669
; Sequence 1669, Application US/10212759
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PM019CIN
; CURRENT APPLICATION NUMBER: US/10/212,759
; PRIOR FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: 09/758,446
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 1734
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1669
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (40)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (68)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (105)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (118)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (119)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (132)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

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; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (120)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (132)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-212-759-1669

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Query Match      24.4%; Score 63.5; DB 26; Length 132;
Best Local Similarity 36.7%; Pred. No. 14;
Matches 18; Conservative 6; Mismatches 24; Indels 1; Gaps 1;

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QY      2  PLGPRGDSPLQRP-OHLMDOGOMRHSFSAGPELLRODKRRSGSTGS 49
Db      30  PSLPRTESARXGSRPTQGVADQAOQHSHPAVPPSSROXLHNSDGATGA 78

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Search completed: July 18, 2003, 19:34:58
 Job time : 52.3631 secs

Result No.	Score	Query Match	length	DB	ID	Description
1	260	100.0	1770	2	PCT-US03-01943-44	Sequence 44, Appl
2	260	100.0	1839	12	US-10-416-993-195	Sequence 495, Appl
3	260	100.0	1872	2	PCT-US03-04508-32	Sequence 32, Appl
4	260	100.0	1872	11	US-10-367-978-32	Sequence 32, Appl
5	260	100.0	2221	2	PCT-US03-01943-107	Sequence 30, Appl
6	70.5	27.1	309	12	US-10-356-1683-17975	Sequence 17975, A
7	70.5	27.1	309	12	US-10-418-128-17975	Sequence 17975, A
8	68	26.2	133	12	US-10-437-963-135632	Sequence 135632, A
9	67	25.8	193	11	US-10-273-573-9053	Sequence 9053, Appl
10	65	25.0	693	12	US-10-366-663-24059	Sequence 24059, A
11	65	25.0	693	12	US-10-419-128-24059	Sequence 24059, A
12	64.5	24.8	501	12	US-10-366-663-21586	Sequence 21586, A
13	64.5	24.8	501	12	US-10-418-128-21586	Sequence 21586, A
14	63	24.2	504	12	US-10-366-663-23374	Sequence 23374, A
15	63	24.2	504	12	US-10-419-128-23374	Sequence 23374, A
16	62.5	24.0	12	US-10-424-559-180951	Sequence 180951, A	
17	62	23.8	567	12	US-10-366-663-28435	Sequence 28435, A
18	62	23.8	567	12	US-10-418-128-28435	Sequence 28435, A
19	61.5	23.7	407	14	US-60-452-660-14462	Sequence 14462, A

20	61.5	23.7	407	14	US-60-453-133-9016	Sequence 9016, App
21	61.5	23.7	407	14	US-60-453-050-9016	Sequence 9016, App
22	61.5	23.7	407	14	US-60-466-412-19016	Sequence 9016, App
23	61.5	23.7	833	12	US-10-437-963-183706	Sequence 183706, App
24	61	23.5	171	12	US-10-366-683-18380	Sequence 18380, App
25	61	23.5	171	12	US-10-419-128-18380	Sequence 18380, App
26	61	23.5	179	12	US-10-337-963-179732	Sequence 179732, App
27	61	23.5	250	14	US-60-453-135-13346	Sequence 13346, App
28	61	23.5	250	14	US-60-453-135-13347	Sequence 13347, App
29	61	23.5	250	14	US-60-453-050-13346	Sequence 13346, App
30	61	23.5	250	14	US-60-453-050-13347	Sequence 13347, App
31	61	23.5	250	14	US-60-466-412-13346	Sequence 13346, App
32	61	23.5	250	14	US-60-466-412-13347	Sequence 13347, App
33	60.5	23.3	156	10	US-09-724-676-75859	Sequence 75859, App
34	60.5	23.3	156	10	US-09-724-676A-75859	Sequence 75859, App
35	60.5	23.3	156	10	US-09-724-676-75858	Sequence 75858, App
36	60.5	23.3	166	10	US-09-724-676-75858	Sequence 75858, App
37	60.5	23.3	222	10	US-09-724-676-75860	Sequence 75860, App
38	60.5	23.3	222	10	US-09-724-676A-75860	Sequence 75860, App
39	59.5	22.9	373	12	US-10-437-963-165702	Sequence 165702, App
40	59.5	22.9	1444	14	US-09-949-016-9652	Sequence 9652, App
41	59.5	22.9	2004	10	US-09-949-016-9656	Sequence 9656, App
42	59.5	22.9	2004	10	US-60-423-586-80	Sequence 80, App
43	59.5	22.9	2004	14	US-09-727-194-80	Sequence 80, App
44	59.5	22.9	2040	10	US-09-724-676-92543	Sequence 92543, App
45	59.5	22.9	2040	10	US-09-724-676A-92543	Sequence 92543, App

ALIGNMENTS

```

RESULT 1
PCT-US03-01943-44
; Sequence 44, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 9U 901 PCT
CURRENT APPLICATION NUMBER: PCT/US03/01943
CURRENT FILING DATE: 2002-01-25
PRIORITY APPLICATION NUMBER: US 10/054,935
PRIORITY FILING DATE: 2002-01-25
PRIORITY APPLICATION NUMBER: US 60/356,130
PRIORITY FILING DATE: 2002-02-14
PRIORITY APPLICATION NUMBER: US 10/102,946
PRIORITY FILING DATE: 2002-03-22
PRIORITY APPLICATION NUMBER: US 10/117,229
PRIORITY FILING DATE: 2002-04-08
PRIORITY APPLICATION NUMBER: US 10/144,198
PRIORITY FILING DATE: 2002-05-14
PRIORITY APPLICATION NUMBER: US 10/197,824
PRIORITY FILING DATE: 2002-07-19
NUMBER OF SEQ ID NOS: 102
; SOFTWARE: Seqin version 3.1
SEQ ID NO 44
LENGTH: 1770
TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-01943-44

Query Match      100.0%; Score 260; DB 2; Length 1770;
Best Local Similarity 100.0%; Pred. No. 3,1e-21;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY      1  EPGLPRQDSPLLORPOLHLDQGMRRHSFSAGPELLRQDKPRSGCTGS 49
|||||
Db      1645  EPGLPRQDSPLLORPOLHLDQGMRRHSFSAGPELLRQDKPRSGCTGS 1693
|||||

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; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-096
; CURRENT APPLICATION NUMBER: US/10/416,993
; CURRENT FILING DATE: 2003-11-16
; PRIOR APPLICATION NUMBER: 09/714,936
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 682
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 495
; LENGTH: 1839
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-416-993-495

Query Match          100.0%; Score 260; DB 12; Length 1839;
Best Local Similarity 100.0%; Pred. No. 3.2e-21;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 EPLGPRGQDSPLLQRPQHLMDGQMRHSFSAGPELLRQDKRPRSGSGTGS 49
|||||
Db      1714 EPLGPRGQDSPLLQRPQHLMDGQMRHSFSAGPELLRQDKRPRSGSGTGS 1762

RESULT 3
PCT-US03-04508-32
; Sequence 32, Application PC/TUS0304508
; GENERAL INFORMATION:
; APPLICANT: IDEC PHARMACEUTICALS
; APPLICANT: GATELY, DENNIS
; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
; FILE REFERENCE: 037003/0301985
; CURRENT APPLICATION NUMBER: PCT/US03/04508
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/357,140
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 60/396,082
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/386,759
; PRIOR FILING DATE: 2002-06-10
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 1872
; TYPE: PRT
; ORGANISM: Homo sapiens
;
PCT-US03-04508-32

Query Match          100.0%; Score 260; DB 2; Length 1872;
Best Local Similarity 100.0%; Pred. No. 3.3e-21;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 EPLGPRGQDSPLLQRPQHLMDGQMRHSFSAGPELLRQDKRPRSGSGTGS 49
|||||
Db      1747 EPLGPRGQDSPLLQRPQHLMDGQMRHSFSAGPELLRQDKRPRSGSGTGS 1795

RESULT 4
US-10-367-978-32
; Sequence 32, Application US/10367978
; GENERAL INFORMATION:
; APPLICANT: GATELY, DENNIS
; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
; FILE REFERENCE: 037003-0301988
; CURRENT APPLICATION NUMBER: US/10/367,978
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/357,140
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 60/396,082
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/386,759
;
US-10-367-978-32
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; PRIOR FILING DATE: 2002-06-10
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 1872
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-367-978-32

Query Match          100.0%; Score 260; DB 11; Length 1872;
Best Local Similarity 100.0%; Pred. No. 3.3e-21;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 EPLGPRGQDSPLLQRPQHLMDGQMRHSFSAGPELLRQDKRPRSGSGTGS 49
|||||
Db      1747 EPLGPRGQDSPLLQRPQHLMDGQMRHSFSAGPELLRQDKRPRSGSGTGS 1795

RESULT 5
PCT-US03-01943-30
; Sequence 30, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 901 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/01943
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 10/054,935
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/356,130
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 10/102,946
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 10/117,229
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 10/144,198
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/197,824
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
;
PCT-US03-01943-30

Query Match          100.0%; Score 260; DB 2; Length 2221;
Best Local Similarity 100.0%; Pred. No. 3.9e-21;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 EPLGPRGQDSPLLQRPQHLMDGQMRHSFSAGPELLRQDKRPRSGSGTGS 49
|||||
Db      2096 EPLGPRGQDSPLLQRPQHLMDGQMRHSFSAGPELLRQDKRPRSGSGTGS 2144

RESULT 6
US-10-366-683-17975
; Sequence 17975, Application US/10366683
; GENERAL INFORMATION:
; APPLICANT: Rubenstein, Marc J.
; APPLICANT: Nolling, Jork
; APPLICANT: Deloughery, Craig
; APPLICANT: Bush, David
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: PATR03-04
; CURRENT APPLICATION NUMBER: US/10/366,683
; CURRENT FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: 09/252,991
; PRIOR FILING DATE: 1999-02-18
; NUMBER OF SEQ ID NOS: 33142
;
US-10-366-683-17975
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LENGTH: 309
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-10-366-683-17975

Query Match 27.1%; Score 70.5; DB 12; Length 309;
Best Local Similarity 41.5%; Pred. No. 4.9;
Matches 22; Conservative 3; Mismatches 19; Indels 9; Gaps 2;

QY 2 PLGPRGQD-----QDSPLLQRPQHLMDOQMHSFSGAPE-----LLRODKRPRSG 45
DB 194 PLGPRGQDHPRRQDQLLAARSQRLGRQRLMRHRSAGHSGAGGLPRRRSPAG 246

RESULT 7
US-10-419-128-17975
Sequence 17975, Application US/10419128
GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/10/419,128

PRIOR FILING DATE: 2003-04-21
PRIOR APPLICATION NUMBER: US/09/252,991
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 17975
LENGTH: 309
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-10-419-128-17975

Query Match 27.1%; Score 70.5; DB 12; Length 309;
Best Local Similarity 41.5%; Pred. No. 4.9;
Matches 22; Conservative 3; Mismatches 19; Indels 9; Gaps 2;

QY 2 PLGPRGQD-----QDSPLLQRPQHLMDOQMHSFSGAPE-----LLRODKRPRSG 45
DB 194 PLGPRGQDHPRRQDQLLAARSQRLGRQRLMRHRSAGHSGAGGLPRRRSPAG 246

RESULT 8
US-10-437-963-135832
Sequence 135832, Application US/10437963
GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 135832
LENGTH: 133
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_3746C.1.pcp
US-10-437-963-135832

Query Match 26.2%; Score 68; DB 12; Length 133;

Best Local Similarity 27.8%; Pred. No. 3.9;
Matches 25; Conservative 6; Mismatches 17; Indels 42; Gaps 3;

QY 2 PLGPRGQD-----SPLQRP-----QHLM 21
DB 40 PLAPRGQDHPRRQDQLLAARSQRLGRQRLMRHRSAGHSGAGGLPRRRSPAG 99

QY 22 QGMHRSFSGAP--ELLRODKRPRSGTGS 49
DB 100 KGPAMSLSLPSAQTSLSDHRLPLSGATES 129

RESULT 9
US-10-273-573-9053
Sequence 9053, Application US/10273573
GENERAL INFORMATION:

APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL MACROPHAGE NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-066
CURRENT APPLICATION NUMBER: US/10/273,573

PRIOR FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: 09/522,929
PRIOR FILING DATE: 2000-04-18
PRIOR APPLICATION NUMBER: 09/770,160
PRIOR FILING DATE: 2001-01-26
NUMBER OF SEQ ID NOS: 10994
SOFTWARE: Custom
SEQ ID NO 9053
LENGTH: 195
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (33)-(48)
OTHER INFORMATION: Wt/rsp5/wrp domain proteins domain identified by eMatrix,
US-10-273-573-9053

Query Match 25.8%; Score 67; DB 11; Length 195;
Best Local Similarity 37.5%; Pred. No. 7.6;
Matches 18; Conservative 6; Mismatches 18; Indels 6; Gaps 2;

QY 4 GPRGDSPLQRPQHLMDOQMHSFSGAPELLRODK--RPRSGTGS 49
DB 55 GNGGQDPAVVRCSHL---VKHSQSRPSSMRQKXITRTGCGPGS 98

RESULT 10
US-10-366-683-24059
Sequence 24059, Application US/10366683
GENERAL INFORMATION:

APPLICANT: Rubenfield, Marc J.
APPLICANT: Nolling, Jork
APPLICANT: Delougnery, Craig
APPLICANT: Bush, David
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: PATH03-04
CURRENT APPLICATION NUMBER: US/10/366,683
CURRENT FILING DATE: 2003-02-13
PRIOR APPLICATION NUMBER: 09/252,991
PRIOR FILING DATE: 1999-02-18
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 24059
LENGTH: 693
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-10-366-683-24059

Query Match 25.0%; Score 65; DB 12; Length 693;
Best Local Similarity 29.2%; Pred. No. 50;
Matches 19; Conservative 5; Mismatches 19; Indels 22; Gaps 1;

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Query Match      24.8%; Score 64.5; DB 12; length 501;
Best Local Similarity 33.3%; Pred. No. 40;
Matches 15; Conservative 5; Mismatches 14; Indels 11; Gaps 1
QY      2 PLGPRGDSPLQRPHLMDGQSMHSPSAGELLRODKRPSGS 46
      :||| ||| | :||| :||| :||| :

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RESULT 15
US-10-419-128-23374
; Sequence 23374 Application US/10419128
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

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; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/10/419,128
; CURRENT FILING DATE: 2003-04-21
; PRIOR APPLICATION NUMBER: US/09/252,991
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 23374
; LENGTH: 504
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-10-419-128-23374

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Query Match      24.2%; Score 63; DB 12; Length 504;
Best Local Similarity 48.3%; Pred. No. 61;
Matches 14; Conservative 3; Mismatches 10; Indels 2; Gaps 1;

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OY      2  PLGPRGDSPLTQRPQHLMDOGOMRHSFS 30
DB      364 PLRERGEDIPULFR--HFAEAGAMRHGLT 390

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Search completed: July 18, 2003, 19:39:55
Job time : 15.3485 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:46 ; Search time 3.80674 Seconds
(without alignments)
309.167 Million cell updates/sec

Title: US-09-991-681-30

Perfect score: 215

Sequence: 1 SPKYEKDPKSRKKEWENAGNKIYTMADKTISKLMTEYK 40

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents, AA:*

- 1: /cgn2_6/prodata/1/1aa/5A.COMB.pep:*
- 2: /cgn2_6/prodata/1/1aa/5B.COMB.pep:*
- 3: /cgn2_6/prodata/1/1aa/6A.COMB.pep:*
- 4: /cgn2_6/prodata/1/1aa/6B.COMB.pep:*
- 5: /cgn2_6/prodata/1/1aa/ECTUS.COMB.pep:*
- 6: /cgn2_6/prodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	215	100.0	40	US-09-065-383-30	Sequence 30, Appl
2	215	100.0	518	US-09-065-383-27	Sequence 27, Appl
3	55	25.6	351	US-09-431-976-2	Sequence 2, Appl
4	52.5	24.4	234	US-09-296-754-2	Sequence 2, Appl
5	51.5	24.0	489	US-09-986-536-2	Sequence 2, Appl
6	51	23.7	528	US-08-793-229-35	Sequence 35, Appl
7	51	23.7	528	US-09-285-957-35	Sequence 35, Appl
8	51	23.7	4544	US-08-469-486-52	Sequence 52, Appl
9	51	23.7	4544	US-08-469-486-52	Sequence 52, Appl
10	50.5	23.5	489	US-09-545-814-29	Sequence 29, Appl
11	50.5	23.5	995	US-08-673-789-5	Sequence 5, Appl
12	50	23.3	92	US-08-713-939A-79	Sequence 79, Appl
13	50	23.3	92	US-09-036-579-79	Sequence 79, Appl
14	50	23.3	92	US-09-550-374-79	Sequence 79, Appl
15	50	23.3	291	US-08-568-459A-13	Sequence 13, Appl
16	50	23.3	291	US-08-487-826B-25	Sequence 25, Appl
17	50	23.3	291	US-09-210-288-13	Sequence 13, Appl
18	50	23.3	397	US-08-774-104A-2	Sequence 2, Appl
19	50	23.3	1115	US-08-568-459A-2	Sequence 2, Appl
20	50	23.3	1115	US-08-487-826B-2	Sequence 2, Appl
21	50	23.3	1115	US-08-487-826B-2	Sequence 2, Appl
22	50	23.3	1115	US-09-210-288-2	Sequence 2, Appl
23	49	22.8	476	US-09-346-408-12	Sequence 12, Appl
24	49	22.8	970	US-08-673-789-7	Sequence 8, Appl
25	49	22.8	973	US-08-162-809-8	Sequence 10, Appl
26	49	22.8	973	US-08-162-809-10	Sequence 10, Appl
27	49	22.8	988	US-08-162-809-14	Sequence 14, Appl

28	49	22.8	995	1	US-08-162-809-18	Sequence 18, Appl
29	49	22.8	1011	1	US-08-162-809-12	Sequence 12, Appl
30	48.5	22.6	261	1	US-08-624-125-18	Sequence 18, Appl
31	48.5	22.6	569	1	US-08-306-231-3	Sequence 3, Appl
32	48.5	22.6	672	3	US-09-040-843-4	Sequence 4, Appl
33	48.5	22.6	672	3	US-09-621-855-4	Sequence 4, Appl
34	48.5	22.6	866	3	US-09-621-855-2	Sequence 2, Appl
35	48.5	22.6	866	3	US-09-621-855-2	Sequence 2, Appl
36	48.5	22.6	896	2	US-08-640-389A-10	Sequence 10, Appl
37	48.5	22.6	896	4	US-08-618-957A-10	Sequence 10, Appl
38	48.5	22.6	898	2	US-08-693-697-36	Sequence 36, Appl
39	48.5	22.6	898	2	US-08-588-189-3	Sequence 3, Appl
40	48.5	22.6	906	2	US-08-640-389A-9	Sequence 9, Appl
41	48.5	22.6	906	4	US-08-618-957A-9	Sequence 9, Appl
42	48.5	22.6	908	2	US-08-693-697-33	Sequence 33, Appl
43	48.5	22.6	908	2	US-08-588-526-3	Sequence 3, Appl
44	48.5	22.6	958	2	US-08-640-389A-8	Sequence 8, Appl
45	48.5	22.6	958	4	US-08-618-957A-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-09-065-383-30
Sequence 30, Application US/09065383
Patent No. 6391543
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084, US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-30

Query Match 100.0%; Score 215; DB 4; Length 40;
Best Local Similarity 100.0%; Pred. No. 4.3e-23;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SPVEKKDPSRKKEWENAGNKIYTMAADKTIKLTETK 40
DB 1 SPVEKKDPSRKKEWENAGNKIYTMAADKTIKLTETK 40

RESULT 2

US-09-065-383-27
Sequence 27, Application US/09065383
Patent No. 6391543

GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084, US, P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:

INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-27

Query Match 100.0%; Score 215; DB 4; Length 518;
Best Local Similarity 100.0%; Pred. No. 9.7e-22;

Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SPVEKKDPSRKKEWENAGNKIYTMAADKTIKLTETK 40
DB 332 SPVEKKDPSRKKEWENAGNKIYTMAADKTIKLTETK 371

RESULT 3
US-09-431-976-2
Sequence 2, Application US/09431976
Patent No. 6423520

GENERAL INFORMATION:
APPLICANT: Conkling, Mark
APPLICANT: Mendu, Nandini
APPLICANT: Song, Wen
TITLE OF INVENTION: Regulation of Quinolinate Phosphoribosyl Transferase
TITLE OF INVENTION: Expression
FILE REFERENCE: 5051-338
CURRENT APPLICATION NUMBER: US/09/431,976
CURRENT FILING DATE: 1999-10-29
PRIOR APPLICATION NUMBER: 09/021,286
PRIOR FILING DATE: 1998-02-10
PRIOR APPLICATION NUMBER: 60/049,471
PRIOR FILING DATE: 1997-06-12
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 351
TYPE: PRT
ORGANISM: Nicotiana tabacum
US-09-431-976-2

Query Match 25.6%; Score 55; DB 4; Length 351;
Best Local Similarity 52.9%; Pred. No. 8;
Matches 9; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 8 DPSRKKEWENAGNKIY 24
DB 106 DPLKVEWYVNDGDVH 122

RESULT 4
US-09-296-754-2
Sequence 2, Application US/09296754A
Patent No. 6316695
GENERAL INFORMATION:
APPLICANT: Korea Kumho Petrochemical Co. Ltd.
TITLE OF INVENTION: Isopentenyl diphosphate isomerase from Hevea Brasiliensis
FILE REFERENCE: PX9102/US
CURRENT APPLICATION NUMBER: US/09/296,754A
CURRENT FILING DATE: 1999-04-22
NUMBER OF SEQ ID NOS: 2
SOFTWARE: KOBATIN 1.0
SEQ ID NO 2
LENGTH: 234
TYPE: PRT
ORGANISM: IPHB (IPP isomerase from Hevea brasiliensis)
US-09-296-754-2

Query Match 24.4%; Score 52.5; DB 4; Length 234;
Best Local Similarity 52.2%; Pred. No. 11;
Matches 12; Conservative 1; Mismatches 9; Indels 1; Gaps 1;

QY 14 EWMENAGNKIYTMAAD-KTISKL 35
DB 211 KWMENVENGTLEKAVDMKTIHKL 233

RESULT 5
US-09-986-536-2
Sequence 2, Application US/09986536
Patent No. 6461841
GENERAL INFORMATION:

APPLICANT: GEUEKE, BIRGIT
APPLICANT: HUMMEL, WERNER
APPLICANT: BOMMARJUS, ANDREAS
TITLE OF INVENTION: L-Amino Acid Oxidase from Rhodococcus Species
FILE REFERENCE: 215209US0X
CURRENT APPLICATION NUMBER: US/09/986,536
CURRENT FILING DATE: 2001-11-09
PRIOR APPLICATION NUMBER: DE 100 55 512.8
PRIOR FILING DATE: 2000-11-09
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 2
LENGTH: 489
TYPE: PRT
ORGANISM: Rhodococcus opacus
US-09-986-536-2

Query Match 24.0%; Score 51.5; DB 4; Length 489;
Best Local Similarity 35.6%; Pred. No. 37;
Matches 16; Conservative 6; Mismatches 14; Indels 9; Gaps 3;

QY 3 KVEKDPGRK-----KEMWENAGNKIYMAA--DKTISKLMTEY 39
DB 313 KAAPSSSGKLGIEYSRRWETE-DRYGGASNTDKDISQIMFPY 356

RESULT 6
US-08-793-229-35
Sequence 35, Application US/08/793,229
Patent No. 5691703
GENERAL INFORMATION:
APPLICANT: VAN DER LAAN, Jan Metake
APPLICANT: RIEMENS, Adriana Marina
APPLICANT: QUAX, Wilhelmus Johannes
TITLE OF INVENTION: Mutated Penicillin G Acylase Genes
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hubbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,229
FILING DATE: 23-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/03249
FILING DATE:
ATTORNEY/AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: 97075
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312)913-0001
TELEFAX: (312)913-0002
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 528 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-793-229-35

Query Match 23.7%; Score 51; DB 2; Length 528;
Best Local Similarity 27.7%; Pred. No. 47;
Matches 13; Conservative 3; Mismatches 11; Indels 20; Gaps 1;

QY 14 EWMENAGNKIY-----TMAADKTIISKLMTEYK 40
DB 355 EWMNNLHDKLFMDLGDYGYITKEITDHRYGASLAKNISKESTNYK 401

RESULT 7
US-09-285-957-35
Sequence 35, Application US/09/285,957
Patent No. 6033823
GENERAL INFORMATION:
APPLICANT: VAN DER LAAN, Jan Metake
APPLICANT: RIEMENS, Adriana Marina
APPLICANT: QUAX, Wilhelmus Johannes
TITLE OF INVENTION: Mutated Penicillin G Acylase Genes
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hubbert & Berghoff
STREET: 300 South Wacker Drive
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/285,957
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/793,229
FILING DATE:
ATTORNEY/AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: 97075
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312)913-0001
TELEFAX: (312)913-0002
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 528 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-285-957-35

Query Match 23.7%; Score 51; DB 3; Length 528;
Best Local Similarity 27.7%; Pred. No. 47;
Matches 13; Conservative 3; Mismatches 11; Indels 20; Gaps 1;

QY 14 EWMENAGNKIY-----TMAADKTIISKLMTEYK 40
DB 355 EWMNNLHDKLFMDLGDYGYITKEITDHRYGASLAKNISKESTNYK 401

RESULT 8
US-08-469-486-52
Sequence 52, Application US/08/469,486
Patent No. 5739281
GENERAL INFORMATION:
APPLICANT: Thoenes, Hans Christian
APPLICANT: Holst, Thor Ias
APPLICANT: Etzerodt, Michael
TITLE OF INVENTION: Improved method for the refolding of
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts

COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,486
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/192,060
FILING DATE: February 4, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Paul T. Clark
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 06363/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 542 5070
TELEFAX: 617 542 8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 4544 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-486-52

Query Match 23.7%; Score 51; DB 1; Length 4544;
Best Local Similarity 36.4%; Pred. No. 6.5e+02;
Matches 12; Conservative 6; Mismatches 13; Indels 2; Gaps 1;

QY 8 DSRKKEMWENAGN--KIYMAADKTISKLTME 38
DB 4009 DPLRGTMWSDWGNHPKIETAMDGTLRETLVQ 4041

RESULT 9
US-08-469-658-52
Sequence 52, Application US/08469658
Patent No. 5917018
GENERAL INFORMATION:
APPLICANT: Th egeresen, Hans Christian
APPLICANT: Holter, Thor Las
APPLICANT: Elzerodt, Michael
TITLE OF INVENTION: IMPROVED METHOD FOR THE REFOLDING OF
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,658
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/192,060
FILING DATE: February 4, 1994
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: Paul T. Clark
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 06363/002002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 542 5070
TELEFAX: 617 542 8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 4544 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-658-52

Query Match 23.7%; Score 51; DB 2; Length 4544;
Best Local Similarity 36.4%; Pred. No. 6.5e+02;
Matches 12; Conservative 6; Mismatches 13; Indels 2; Gaps 1;

QY 8 DSRKKEMWENAGN--KIYMAADKTISKLTME 38
DB 4009 DPLRGTMWSDWGNHPKIETAMDGTLRETLVQ 4041

RESULT 10
US-09-545-814-29
Sequence 29, Application US/09545814
Patent No. 6416977
GENERAL INFORMATION:
APPLICANT: Becher, Anna M.
TITLE OF INVENTION: FLEA CHITINASE NUCLEIC ACID MOLECULES, PROTEINS AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: PC-5-C1
CURRENT APPLICATION NUMBER: US/09/545,814
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: 60/128,833
PRIOR FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patent Ver. 2.1
SEQ ID NO 29
LENGTH: 489
TYPE: PRT
ORGANISM: Tagged Ctenocephalides felis
US-09-545-814-29

Query Match 23.5%; Score 50.5; DB 4; Length 489;
Best Local Similarity 29.8%; Pred. No. 50;
Matches 14; Conservative 6; Mismatches 16; Indels 11; Gaps 2;

QY 5 EKKDSRRK---EWMENAGNKIYMAADK-----TISKLTMEYK 40
DB 29 DDKDPVKQIANGVAGMAEGGKISTVVAEKRSARFIRSVDFMNEYK 75

RESULT 11
US-08-673-789-5
Sequence 5, Application US/08673789
Patent No. 5814479
GENERAL INFORMATION:
APPLICANT: ZHOU, RENPING; SCHULZ, NICHOLAS,
APPLICANT: T.; KROMER, LAWRENCE, F.; VANDE WOUDE,
APPLICANT: GEORGE, F.
TITLE OF INVENTION: BSK RECEPTOR LIKE
TITLE OF INVENTION: TYROSINE KINASE AND LIGAND AND THEIR
TITLE OF INVENTION: USE IN DIAGNOSTIC AND THERAPEUTIC
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & PINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK

STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/673,789
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/177,812
FILING DATE: 04-JAN-1994
ATTORNEY/AGENT INFORMATION:
NAME: CAROL M. GRUPI
REGISTRATION NUMBER: 37,341
REFERENCE/DOCKET NUMBER: 2026-4105
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 995
TYPE: AMINO ACID
STRANDEDNESS: UNKNOWN
TOPOLOGY: UNKNOWN
US-08-673-789-5

Query Match 23.5%; Score 50.5; DB 2; Length 995;
Best Local Similarity 37.1%; Pred. No. 1.2e+02;
Matches 13; Conservative 5; Mismatches 8; Indels 9; Gaps 1;
QY 15 WENAGNKITYTAAADKTIS-----KLTMEYK 40
DB 138 WMENPMKVDITLADESFQVLDLGRVMTLMEYR 172

RESULT 12
US-08-713-939A-79
Sequence 79, Application US/08713939A
Patent No. 5846533
GENERAL INFORMATION:
APPLICANT: Prusiner, Stanley B.
APPLICANT: Williamson, R. Anthony
APPLICANT: Burton, Dennis R.
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR NATIVE PrP
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 2200 Sand Hill Road
CITY: Menlo Park
STATE: CA
COUNTRY: U.S.A.
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/713,939A
FILING DATE: 13-SEP-1996
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Bozicevic, Karl
REGISTRATION NUMBER: 28,807
REFERENCE/DOCKET NUMBER: 06510/059001
REFERENCE/DOCKET NUMBER: 06510/059001

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-854-5277
TELEFAX: 415-854-0875
TELEX:
INFORMATION FOR SEQ ID NO: 79:
SEQUENCE CHARACTERISTICS:
LENGTH: 92 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-713-939A-79

Query Match 23.3%; Score 50; DB 2; Length 92;
Best Local Similarity 29.8%; Pred. No. 7.8;
Matches 14; Conservative 6; Mismatches 15; Indels 12; Gaps 2;
QY 6 KKDPSRKKEW---WENAGNKIY-----TAAADKTISKLTMEYK 40
DB 13 KORTQDLEWIGETIPRSGNTYNEKFKKATLADKSSSTAYMELR 59

RESULT 13
US-09-036-579-79
Sequence 79, Application US/09036579
Patent No. 6290954
GENERAL INFORMATION:
APPLICANT: Prusiner, Stanley B.
APPLICANT: Williamson, R. Anthony
APPLICANT: Burton, Dennis R.
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR NATIVE PrP
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 2200 Sand Hill Road
CITY: Menlo Park
STATE: CA
COUNTRY: U.S.A.
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/036,579
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/713,939
FILING DATE: 13-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bozicevic, Karl
REGISTRATION NUMBER: 28,807
REFERENCE/DOCKET NUMBER: 06510/059001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-854-5277
TELEFAX: 415-854-0875
TELEX:
INFORMATION FOR SEQ ID NO: 79:
SEQUENCE CHARACTERISTICS:
LENGTH: 92 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-036-579-79

Query Match 23.3%; Score 50; DB 4; Length 92;
Best Local Similarity 29.8%; Pred. No. 7.8;
Matches 14; Conservative 6; Mismatches 15; Indels 12; Gaps 2;
QY 6 KKDPSRKKEW---WENAGNKIY-----TAAADKTISKLTMEYK 40

Db 13 KORTGDLIEWIGIPRSGNTYNEKFKGKATLAADSSSTAYMELR 59

RESULT 14

US-09-550-374-79
 ; Sequence 79, Application US/09550374
 ; Patent No. 6372214
 ; GENERAL INFORMATION:
 ; APPLICANT: Prusiner, Stanley B.
 ; APPLICANT: Williamson, R. Anthony
 ; TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR NATIVE PrP
 ; NUMBER OF SEQUENCES: 86
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson P.C.
 ; STREET: 2200 Sand Hill Road
 ; CITY: Menlo Park
 ; STATE: CA
 ; COUNTRY: U.S.A.
 ; ZIP: 94025
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/550,374
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 09/036,579
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Bozicevic, Karl
 ; REGISTRATION NUMBER: 28,807
 ; REFERENCE/DOCKET NUMBER: 06510/059001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-854-5277
 ; TELEFAX: 415-854-0875
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 79:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 92 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-09-550-374-79

Query Match 23.3%; Score 50; DB 4; Length 92;
 Best Local Similarity 29.8%; Pred. No. 7.8;
 Matches 14; Conservative 6; Mismatches 15; Indels 12; Gaps 2;

QY 6 KKDPSRKKEW---WENAGNKIY-----TMAADKTISKLMTEYK 40
 Db 13 KORTGDLIEWIGIPRSGNTYNEKFKGKATLAADSSSTAYMELR 59

RESULT 15
 US-08-568-459A-13
 ; Sequence 13, Application US/08568459A
 ; Patent No. 5849306
 ; GENERAL INFORMATION:
 ; APPLICANT: Sim, Kim L.
 ; APPLICANT: Chitnis, Chetan
 ; APPLICANT: Miller, Louis H.
 ; APPLICANT: Peterson, David S.
 ; APPLICANT: Su, Xin-zhaun
 ; APPLICANT: Wellens, Thomas E.
 ; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
 ; AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
 ; NUMBER OF SEQUENCES: 37

; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Knobbe-Martens Olson & Bear
 ; STREET: 620 Newport Center Drive 16th Floor
 ; CITY: Newport Beach
 ; STATE: California
 ; COUNTRY: US
 ; ZIP: 92660
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/568,459A
 ; FILING DATE: 07-DEC-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Israelson, Ned
 ; REGISTRATION NUMBER: 29,655
 ; REFERENCE/DOCKET NUMBER: NIH121,001CP1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 235-8550
 ; TELEFAX: (619) 235-0176
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 291 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Peptide
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; FRAGMENT TYPE: Internal
 ; ORIGINAL SOURCE:
 ; US-08-568-459A-13

Query Match 23.3%; Score 50; DB 2; Length 291;
 Best Local Similarity 33.3%; Pred. No. 31;
 Matches 7; Conservative 7; Mismatches 7; Indels 0; Gaps 0;

QY 5 EKKDPSRKKEWENAGNKIYT 25
 Db 123 DEKAQQRKRWNNESKAQIWT 143

Search completed: July 18, 2003, 19:23:05
 Job time : 4.80674 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:51 ; Search time 4.80234 Seconds
(without alignments)
989.182 Million cell updates/sec

Title: US-09-991-681-30

Perfect score: 215
Sequence: 1 SPKYEKKDPSRRKEMWENAGNKIYTMADKTISKLMTEYK 40

Scoring table: BLOSUM62
Gapop.10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*

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- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
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- 16: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	59.5	27.7	388	10	US-09-815-242-11623
2	56.5	26.3	388	10	US-09-815-242-11458
3	56.5	26.3	388	11	US-09-881-752A-350
4	55	25.6	351	11	US-09-963-340-2
5	54	25.1	566	15	US-10-156-761-9082
6	53	24.7	462	11	US-09-712-363-209
7	52.5	24.4	231	15	US-10-050-704-106
8	52	24.2	336	15	US-10-160-293-4
9	52	24.2	396	15	US-10-160-293-2
10	52	24.2	468	12	US-09-931-836-67
11	52	24.2	468	14	US-10-063-588-150
12	52	24.2	468	14	US-10-137-866-90
13	52	24.2	468	14	US-10-146-726-90
14	52	24.2	468	14	US-10-146-727-90
15	52	24.2	468	14	US-10-146-788-90
16	52	24.2	468	14	US-10-152-380-90

17	52	24.2	468	14	US-10-153-934-90	Sequence 90, Appl
18	52	24.2	468	15	US-10-036-342-67	Sequence 67, Appl
19	52	24.2	468	15	US-10-006-867-150	Sequence 150, Appl
20	52	24.2	468	15	US-10-077-040-1	Sequence 1, Appl
21	52	24.2	468	15	US-10-063-547-150	Sequence 150, Appl
22	52	24.2	468	15	US-10-036-041-67	Sequence 67, Appl
23	52	24.2	468	15	US-10-028-072-90	Sequence 90, Appl
24	52	24.2	468	15	US-10-035-855-67	Sequence 67, Appl
25	52	24.2	468	15	US-10-063-616-150	Sequence 150, Appl
26	52	24.2	468	15	US-10-121-049-90	Sequence 90, Appl
27	52	24.2	468	15	US-10-123-804-90	Sequence 90, Appl
28	52	24.2	468	15	US-10-140-470-90	Sequence 90, Appl
29	52	24.2	468	15	US-10-063-502-150	Sequence 150, Appl
30	52	24.2	468	15	US-10-175-746-90	Sequence 90, Appl
31	52	24.2	468	15	US-10-176-918-90	Sequence 90, Appl
32	52	24.2	468	15	US-10-176-921-90	Sequence 90, Appl
33	52	24.2	468	15	US-10-036-214-67	Sequence 67, Appl
34	52	24.2	468	15	US-10-137-865-90	Sequence 90, Appl
35	52	24.2	468	15	US-10-140-474-90	Sequence 90, Appl
36	52	24.2	468	15	US-10-035-719-67	Sequence 67, Appl
37	52	24.2	468	15	US-10-142-431-90	Sequence 90, Appl
38	52	24.2	468	15	US-10-143-114-90	Sequence 90, Appl
39	52	24.2	468	15	US-10-140-002-90	Sequence 90, Appl
40	52	24.2	468	15	US-10-036-160-67	Sequence 67, Appl
41	52	24.2	468	15	US-10-142-419-90	Sequence 90, Appl
42	52	24.2	468	15	US-10-035-958-67	Sequence 67, Appl
43	52	24.2	468	15	US-10-036-150-67	Sequence 67, Appl
44	52	24.2	468	15	US-10-063-518-150	Sequence 150, Appl
45	52	24.2	468	15	US-10-123-262-90	Sequence 90, Appl

ALIGNMENTS

RESULT 1
US-09-815-242-11623
Sequence 11623, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Twilick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11623
LENGTH: 388
TYPE: PRT
ORGANISM: Helicobacter pylori
US-09-815-242-11623

Query Match 27.7%; Score 59.5; DB 10; Length 388;
 Best Local Similarity 37.1%; Pred. No. 7.7;
 Matches 13; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

QY 11 RKKEWENAGNKIYTMADK-----TISKLMTEYK 40
 DB 217 RLKLMWSNLQNSLFTLLPDKLANALRISDLPSYQ 251

RESULT 2

US-09-815-242-11458
 ; Sequence 11458, Application US/09815242
 ; Patent No. US20020061569A1

GENERAL INFORMATION:

APPLICANT: Haselbeck, Robert
 APPLICANT: Ohlsen, Kari L.
 APPLICANT: Zyskind, Judith W.
 APPLICANT: Wall, Daniel
 APPLICANT: Trawick, John D.
 APPLICANT: Carr, Grant J.
 APPLICANT: Yamamoto, Robert T.
 APPLICANT: Xu, H. Howard
 TITLE OF INVENTION: Identification of Essential Genes in
 TITLE OF INVENTION: Prokaryotes
 FILE REFERENCE: ELITRA.011A
 CURRENT APPLICATION NUMBER: US/09/815,242
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/191,078
 PRIOR FILING DATE: 2000-03-21
 PRIOR APPLICATION NUMBER: 60/206,848
 PRIOR FILING DATE: 2000-05-23
 PRIOR APPLICATION NUMBER: 60/207,727
 PRIOR FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: 60/242,578
 PRIOR FILING DATE: 2000-10-23
 PRIOR APPLICATION NUMBER: 60/253,625
 PRIOR FILING DATE: 2000-11-27
 PRIOR APPLICATION NUMBER: 60/257,931
 PRIOR FILING DATE: 2000-12-22
 PRIOR APPLICATION NUMBER: 60/269,308
 PRIOR FILING DATE: 2001-02-16
 NUMBER OF SEQ ID NOS: 14110
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 11458

LENGTH: 388
 TYPE: PRF
 ORGANISM: Helicobacter pylori

FEATURE:
 NAME/KEY: VARIANT
 LOCATION: (1)...(388)

OTHER INFORMATION: Xaa = Any Amino Acid
 US-09-815-242-11458

Query Match 26.3%; Score 56.5; DB 10; Length 388;
 Best Local Similarity 34.3%; Pred. No. 19;
 Matches 12; Conservative 5; Mismatches 13; Indels 5; Gaps 1;

QY 11 RKKEWENAGNKIYTMADK-----TISKLMTEYK 40
 DB 217 RLKLMWSNLQNSLFTLLPDKLANALRISDLPSYQ 251

RESULT 3

US-09-881-752A-350
 ; Sequence 350, Application US/09881752A
 ; Patent No. US20020115078A1

GENERAL INFORMATION:

APPLICANT: Kleantous, Harold
 APPLICANT: Al-Garawi, Amal
 APPLICANT: Miller, Charles
 APPLICANT: Tomb, Jean-Francois
 APPLICANT: Oomen, Raymond P.

TITLE OF INVENTION: Identification of Polynucleotides

TITLE OF INVENTION: Encoding No. US20020115078A1 Helicobacter Poly peptides in the

TITLE OF INVENTION: Genome

FILE REFERENCE: 06132/041002

CURRENT APPLICATION NUMBER: US/09/881,752A

PRIOR FILING DATE: 2001-06-15

PRIOR APPLICATION NUMBER: US 08/833,457

PRIOR FILING DATE: 1997-04-01

NUMBER OF SEQ ID NOS: 370

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 350

LENGTH: 388

TYPE: PRF

ORGANISM: Helicobacter pylori

US-09-881-752A-350

Query Match 26.3%; Score 56.5; DB 11; Length 388;
 Best Local Similarity 34.3%; Pred. No. 19;
 Matches 12; Conservative 5; Mismatches 13; Indels 5; Gaps 1;

QY 11 RKKEWENAGNKIYTMADK-----TISKLMTEYK 40
 DB 217 RLKLMWSNLQNSLFTLLPDKLANALRISDLPSYQ 251

RESULT 4

US-09-963-340-2
 ; Sequence 2, Application US/09963340
 ; Patent No. US20020108151A1

GENERAL INFORMATION:

APPLICANT: Conkling, Mark
 APPLICANT: Mendu, Nandini
 APPLICANT: Song, Wen
 TITLE OF INVENTION: Regulation of Quinolinate Phosphoribosyl Transferase
 TITLE OF INVENTION: Expression
 FILE REFERENCE: 5051-338
 CURRENT APPLICATION NUMBER: US/09/963,340
 PRIOR FILING DATE: 2001-09-24
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/021,286
 PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-10
 NUMBER OF SEQ ID NOS: 3
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 2
 LENGTH: 351
 TYPE: PRF
 ORGANISM: Nicotiana tabacum

US-09-963-340-2

Query Match 25.6%; Score 55; DB 11; Length 351;
 Best Local Similarity 52.9%; Pred. No. 27;
 Matches 9; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 8 DSRKKEWENAGNKIY 24
 DB 106 DPLKVEWYVNDGKRVH 122

RESULT 5

US-10-156-761-9082
 ; Sequence 9082, Application US/10156761
 ; Publication No. US20030119018A1

GENERAL INFORMATION:

APPLICANT: OKURA, SATOSHI
 APPLICANT: IKEDA, HARUO
 APPLICANT: ISHIKAWA, JUN
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: SHIBA, TADAYOSHI
 APPLICANT: SAKAI, YOSHIYUKI
 APPLICANT: HATTORI, MASAHIRA
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 FILE REFERENCE: 249-262
 CURRENT APPLICATION NUMBER: US/10/156,761
 CURRENT FILING DATE: 2002-05-29

```

; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 9082
; LENGTH: 566
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-9082

Query Match      25.1%; Score 54; DB 15; Length 566;
Best Local Similarity 42.1%; Pred. No. 59;
Matches 8; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

Qy      4 VEKDPSPRKKEWENAGNK 22
Db      494 VKEQNPFRSKHWIRVGTK 512

RESULT 6
US-09-712-363-209
; Sequence 209, Application US/09712363
; Patent No. US20020164588A1
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rosenstein, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; FILE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206,
; PRIOR FILING DATE: 1999-02-01
; PRIOR APPLICATION NUMBER: 60/126,593
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/134,093
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/134,092
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/165,124
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/165,086
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 209
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-712-363-209

Query Match      24.7%; Score 53; DB 11; Length 462;
Best Local Similarity 31.6%; Pred. No. 65;
Matches 12; Conservative 8; Mismatches 16; Indels 2; Gaps 1;

Qy      1 SPKVEKDPSPRKKEWENAGNKIYTMADKTSKLMTE 38
Db      179 APTVAGDVFR--AMWDLAGNAPGPSIRAVSKVIAE 214

RESULT 7
US-10-050-704-106
; Sequence 106, Application US/10050704
; Publication No. US20030050442A1
; GENERAL INFORMATION:
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; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P20392P1
; CURRENT APPLICATION NUMBER: US/10/050,704
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: 09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 106
; LENGTH: 231
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-050-704-106

Query Match      24.4%; Score 52.5; DB 15; Length 231;
Best Local Similarity 30.0%; Pred. No. 36;
Matches 12; Conservative 3; Mismatches 12; Indels 13; Gaps 1;

Qy      4 VEKDPSPRK-----KEMWENAGNKIYTMADK 30
Db      182 IRKQPSGSPPLANTYNIPIFMGKTWMMHNSSEKNFTKLAKK 221

RESULT 8
US-10-160-293-4
; Sequence 4, Application US/10160293
; Publication No. US20030022208A1
; GENERAL INFORMATION:
; APPLICANT: LINDQUIST, Erika et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; FILE REFERENCE: CL001241-PROV
; CURRENT APPLICATION NUMBER: US/10/160,293
; CURRENT FILING DATE: 2002-06-04
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Human
US-10-160-293-4

Query Match      24.2%; Score 52; DB 15; Length 336;
Best Local Similarity 32.6%; Pred. No. 62;
Matches 15; Conservative 8; Mismatches 9; Indels 14; Gaps 3;

Qy      6 KQDPSPRKKEWEN-AG--NKIYTMA-----DKTSKLMT 37
Db      77 EEDPVRKPSWTENQAGKPEKVTTPMAAIQDGLAGNDETYSNTLT 122

RESULT 9
US-10-160-293-2
; Sequence 2, Application US/10160293
; Publication No. US20030022208A1
; GENERAL INFORMATION:
; APPLICANT: LINDQUIST, Erika et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; FILE REFERENCE: CL001241-PROV
; CURRENT APPLICATION NUMBER: US/10/160,293
; CURRENT FILING DATE: 2002-06-04
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 2
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Human
US-10-160-293-2

Query Match      24.2%; Score 52; DB 15; Length 396;
Best Local Similarity 32.6%; Pred. No. 74;
Matches 15; Conservative 8; Mismatches 9; Indels 14; Gaps 3;

QY      6 KXDPSSKEMWEN-AG---NKIYTMMA-----DKTISLMT 37
Db      137 EEDPNKPTSMTEQAGKIKPEKVTPMMAIQDGLAKGENDETSVTLT 182

RESULT 10
US-09-931-836-67
; Sequence 67, Application US/09931836
; Publication No. US20030027249A1
; GENERAL INFORMATION:
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3030R1C1
; CURRENT APPLICATION NUMBER: US/09/931, 836
; PRIOR FILING DATE: 2001-08-16
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; PRIOR APPLICATION NUMBER: 60/131291
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; PRIOR FILING DATE: 1999-07-20
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; PRIOR FILING DATE: 2000-12-01
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; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 80
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; LENGTH: 468
; TYPE: PRT
; ORGANISM: Homo Sapien
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US-09-931-836-67

Query Match 24.2% Score 52; DB 12; Length 468;
Best Local Similarity 32.6%; Pred. No. 88;
Matches 15; Conservative 8; Mismatches 9; Indels 14; Gaps 3;

Qy 6 KQDPSRKKEWMEN-AG--NKITYTMAA-----DKTISKLMWT 37
Db 209 EEDPMKPTSMTEOAGKIKEKYTPMAAIQDGLAKGENDETVENTLT 254

RESULT 11

US-10-063-588-150
Sequence 150, Application US/10063588
Publication No. US20030130483A1
GENERAL INFORMATION:

APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Matanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3230R1C1
CURRENT APPLICATION NUMBER: US/10/063,588
CURRENT FILING DATE: 2002-05-03
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 170
SEQ ID NO 150
LENGTH: 468
TYPE: PRT
ORGANISM: Homo Sapien
US-10-063-588-150

Query Match 24.2% Score 52; DB 14; Length 468;
Best Local Similarity 32.6%; Pred. No. 88;
Matches 15; Conservative 8; Mismatches 9; Indels 14; Gaps 3;

Qy 6 KQDPSRKKEWMEN-AG--NKITYTMAA-----DKTISKLMWT 37
Db 209 EEDPMKPTSMTEOAGKIKEKYTPMAAIQDGLAKGENDETVENTLT 254

RESULT 12

US-10-137-866-90
Sequence 90, Application US/10137866
Publication No. US20030129689A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C1
CURRENT APPLICATION NUMBER: US/10/137,866

CURRENT FILING DATE: 2002-05-03
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
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PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982

Query Match 24.2% Score 52; DB 14; Length 468;
Best Local Similarity 32.6% Pred. No. 88;
Matches 15; Conservative. 8; Mismatches 9; Indels 14; Gaps 3;

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Db 209 EEDPNKPTSWENOAGKIPEKVTPMAAIQDGIANGENDETIVSNLT 254

RESULT 13
US-10-146-726-90
Sequence 90, Application US/10146726
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Guernsey, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C308
CURRENT APPLICATION NUMBER: US/10/146,726
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 90
LENGTH: 468
TYPE: PRT
ORGANISM: Homo Sapien

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GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: July 18, 2003, 19:21:46 ; Search time 41.1127 Seconds

(without alignments)
627.283 Million cell updates/sec

Title: US-09-991-681-30

Perfect score: 215
Sequence: 1 SPKVEKDDPSRKEMENAGNKIYTMADKTISKLMTEYK 40

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	215	100.0	40	US-08-842-385-9	Sequence 9, Appli
2	215	100.0	40	US-09-991-681-30	Sequence 30, Appl
3	215	100.0	141	US-10-221-279-7783	Sequence 7783, Ap
4	215	100.0	467	US-08-842-385-6	Sequence 6, Appli
5	215	100.0	518	US-09-991-681-27	Sequence 27, Appl
6	215	100.0	1770	US-10-144-198-44	Sequence 44, Appl

7	215	100.0	1807	1	PCT-US01-08631-40087	Sequence 40087, A
8	215	100.0	1839	1	PCT-US01-42950-495	Sequence 495, App
9	215	100.0	1982	1	PCT-US01-08631-40090	Sequence 40090, A
10	215	100.0	2221	25	US-10-144-198-30	Sequence 30, Appl
11	64	29.8	6221	21	US-09-791-537-91859	Sequence 91859, A
12	63.5	29.5	604	27	US-60-360-039-22757	Sequence 22757, A
13	59.5	27.7	232	13	US-08-993-002A-5796	Sequence 5796, Ap
14	59.5	27.7	233	10	US-68-625-811-1380	Sequence 1380, Ap
15	59.5	27.7	233	13	US-08-993-002A-5795	Sequence 5795, Ap
16	59.5	27.7	388	1	PCT-US02-03887-11623	Sequence 11623, A
17	59.5	27.7	388	13	US-08-993-002A-5797	Sequence 5797, Ap
18	59.5	27.7	388	22	US-09-815-242-11623	Sequence 11623, A
19	59.5	27.7	388	24	US-10-072-851-11623	Sequence 11623, A
20	59	27.4	264	27	US-60-360-039-11489	Sequence 11489, A
21	59	27.4	264	27	US-60-360-039-14338	Sequence 14338, A
22	59	27.4	264	27	US-60-360-039-14597	Sequence 14597, A
23	59	27.4	264	27	US-60-360-039-14979	Sequence 14979, A
24	59	27.4	277	21	US-09-739-449-9886	Sequence 9886, Ap
25	59	27.4	277	22	US-09-803-110-9886	Sequence 9886, Ap
26	59	27.4	314	26	US-10-219-999-37532	Sequence 37532, A
27	59	27.4	314	27	US-60-324-109-24021	Sequence 24021, A
28	57	26.5	275	17	US-09-328-352-5591	Sequence 5591, Ap
29	56.5	26.3	158	24	US-10-053-853A-1179	Sequence 1179, Ap
30	56.5	26.3	388	1	PCT-US02-03887-11458	Sequence 11458, A
31	56.5	26.3	388	1	PCT-US98-06371-350	Sequence 350, App
32	56.5	26.3	388	12	US-08-813-457-350	Sequence 350, App
33	56.5	26.3	388	22	US-09-815-242-11458	Sequence 11458, A
34	56.5	26.3	388	22	US-09-881-752A-350	Sequence 350, App
35	56.5	26.3	388	24	US-10-072-851-11458	Sequence 11458, A
36	56	26.0	219	19	US-09-513-966A-55105	Sequence 55105, A
37	56	26.0	219	19	US-09-513-966A-55105	Sequence 55105, A
38	56	26.0	219	19	US-09-513-966A-55105	Sequence 55105, A
39	56	26.0	219	20	US-09-620-394B-158	Sequence 158, App
40	56	26.0	221	19	US-09-688-051-985	Sequence 985, App
41	56	26.0	221	19	US-09-513-966A-55104	Sequence 55104, A
42	56	26.0	221	19	US-09-513-966A-55104	Sequence 55104, A
43	56	26.0	221	20	US-09-620-394B-157	Sequence 157, App
44	56	26.0	227	19	US-09-688-051-984	Sequence 984, App
45	56	26.0	241	19	US-09-513-966A-63820	Sequence 63820, A
					US-09-513-966A-55103	Sequence 55103, A

ALIGNMENTS

RESULT 1
US-08-842-385-9
Sequence 9, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
TITLE OF INVENTION: Colpita, Tracey
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Porembek, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-9

Query Match 100.0%; Score 215; DB 12; Length 40;
Best Local Similarity 100.0%; Pred. No. 1,2e-20;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKDPSPRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 1 SPKVEKDPSPRKKEWENAGNKIYTMADKTIISKLMTEYK 40

RESULT 2
US-09-991-681-30
Sequence 30, Application US/09991681
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-09-991-681-30

Query Match 100.0%; Score 215; DB 23; Length 40;
Best Local Similarity 100.0%; Pred. No. 1,2e-20;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKDPSPRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 1 SPKVEKDPSPRKKEWENAGNKIYTMADKTIISKLMTEYK 40

RESULT 3
US-10-221-279-7783
Sequence 7783, Application US/10221279
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
FILE REFERENCE: 21272-046
CURRENT APPLICATION NUMBER: US/10/221,279
PRIOR FILING DATE: 2002-09-06
PRIOR APPLICATION NUMBER: 09/574,454
PRIOR FILING DATE: 2000-05-19
PRIOR APPLICATION NUMBER: 09/519,705
PRIOR FILING DATE: 2000-03-07
NUMBER OF SEQ ID NOS: 12360
SOFTWARE: Custom
SEQ ID NO 7783
LENGTH: 141
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE: misc_feature
NAME/KEY: (1)...(141)
LOCATION: (1)...(141)
OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-221-279-7783

Query Match 100.0%; Score 215; DB 26; Length 141;
Best Local Similarity 100.0%; Pred. No. 5,6e-20;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKDPSPRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 96 SPKVEKDPSPRKKEWENAGNKIYTMADKTIISKLMTEYK 135

RESULT 4
US-08-842-385-6
Sequence 6, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,385
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Potembaki, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-6

Query Match 100.0%; Score 215; DB 12; Length 467;
Best Local Similarity 100.0%; Pred. No. 2.4e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 281 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 320

RESULT 5
US-09-991-681-27
Sequence 27, Application US/09991681

GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA

COHEN, MAURICE

COLPITTS, TRACEY L.

FRIEDMAN, PAULA N.

GORDON, JULIAN

GRANDOS, EDWARD N.

HODGES, STEVEN C.

KLAAS, MICHAEL R.

KRATOCHVIL, JON D.

ROBERTS-RAPP, LISA

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE

NUMBER OF SEQUENCES: 33

CORRESPONDENCE ADDRESSES:

ADDRESSER: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: Parseq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/991,681

FILING DATE: 26-Nov-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/065,383

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L.

REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 6084.US.P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/935-1729

TELEFAX: 847/938-2623

TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-991-681-27

Query Match 100.0%; Score 215; DB 23; Length 518;
Best Local Similarity 100.0%; Pred. No. 2.7e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 332 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 371

RESULT 6
US-10-144-198-44

Sequence 44, Application US/10144198

GENERAL INFORMATION:

APPLICANT: Origene Technologies Inc

TITLE OF INVENTION: Regulated Prostate Cance Genes

FILE REFERENCE: 9U 105 R1

CURRENT APPLICATION NUMBER: US/10/144,198

CURRENT FILING DATE: 2002-05-14

NUMBER OF SEQ ID NOS: 44

SOFTWARE: PatentIn version 3.0

SEQ ID NO 44

LENGTH: 1770

TYPE: PRT

ORGANISM: Homo sapiens

US-10-144-198-44

Query Match 100.0%; Score 215; DB 25; Length 1770;
Best Local Similarity 100.0%; Pred. No. 1.2e-18;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 1584 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 1623

RESULT 7
PCT-US01-08631-40087

Sequence 40087, Application PC/TUS0108631

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

FILE REFERENCE: 21272-049

CURRENT APPLICATION NUMBER: PCT/US01/08631

CURRENT FILING DATE: 2001-03-30

PRIOR APPLICATION NUMBER: 09/540,217

PRIOR FILING DATE: 2000-03-31

PRIOR APPLICATION NUMBER: 09/649,167

PRIOR FILING DATE: 2000-08-23

NUMBER OF SEQ ID NOS: 60736

SOFTWARE: Custom

SEQ ID NO 40087

LENGTH: 1807

TYPE: PRT

ORGANISM: Homo sapiens

FEATURES:

NAME/KEY: DOMAIN

LOCATION: (48)..(62)

OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX.

OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39

NAME/KEY: DOMAIN

LOCATION: (941)..(950)

OTHER INFORMATION: Helper component proteinase domain identified by Pfam,

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; OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40087

Query Match
Best Local Similarity 100.0%; Score 215; DB 1; Length 1807;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 SPKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 40
|||||
Db 1621 SPKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 1660

RESULT 8
PCT-US01-42950-495
; Sequence 495, Application PC/TUS0142950
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-096
; CURRENT APPLICATION NUMBER: PCT/US01/42950
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 09/714,936
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 682
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 495
; LENGTH: 1839
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US01-42950-495

Query Match
Best Local Similarity 100.0%; Score 215; DB 1; Length 1839;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 SPKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 40
|||||
Db 1653 SPKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 1692

RESULT 9
PCT-US01-08631-40090
; Sequence 40090, Application PC/TUS0108631
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 40090
; LENGTH: 1982
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)..(25)
; OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATHRX,
; OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39
; NAME/KEY: DOMAIN
; LOCATION: (1065)..(1074)
; OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
; OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40090

Query Match
Best Local Similarity 100.0%; Score 215; DB 1; Length 1982;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY
1 SPKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 40
|||||
Db 1735 SPKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 1774

RESULT 10
US-10-144-198-30
; Sequence 30, Application US/10144198
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies Inc
; TITLE OF INVENTION: Regulated Prostate Cance Genes
; FILE REFERENCE: 9U 105 R1
; CURRENT APPLICATION NUMBER: US/10/144,198
; CURRENT FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-198-30

Query Match
Best Local Similarity 100.0%; Score 215; DB 25; Length 2221;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 SPKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 40
|||||
Db 2035 SPKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 2074

RESULT 11
US-09-791-537-91859
; Sequence 91859, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 91859
; LENGTH: 621
; TYPE: PRT
; ORGANISM: Cellvibrlo mixtus
US-09-791-537-91859

Query Match
Best Local Similarity 43.2%; Score 64; DB 21; Length 621;
Matches 16; Conservative 5; Mismatches 16; Indels 0; Gaps 0;

QY
2 PKVEKDPSPRKKEWENAGNKIYTMAADKTIISKLTETK 38
|||||
Db 175 PIVQIKGSGYPGEWGCWAGNELFTAGEDATISCTVTE 211

RESULT 12
US-60-360-039-22757
; Sequence 22757, Application US/60360039
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Chen, Xianfeng
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)A
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;; CURRENT APPLICATION NUMBER: US/60/360,039
;; CURRENT FILING DATE: 2002-02-21
;; NUMBER OF SEQ ID NOS: 47374
;; SEQ ID NO 22757
;; LENGTH: 604
;; TYPE: PRT
;; ORGANISM: Schizosaccharomyces pombe
US-60-360-039-22757

Query Match 29.5%; Score 63.5; DB 27; Length 604;
Best Local Similarity 41.2%; Pred. No. 36;
Matches 14; Conservative 5; Mismatches 14; Indels 1; Gaps 1;

Qy 2 PRVEKKDPERKKEMWENAGNKIYTMADTKISKL 35
Db 13 PKIEKKS-KRNKRKWLNDENKTHVTASEAIAIRL 45

RESULT 13

US-08-993-002A-5796
; Sequence 5796, Application US/08993002A
; GENERAL INFORMATION:
; APPLICANT: DOUGLAS SMITH et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO HELICOBACTER PYLORI FOR
; NUMBER OF SEQUENCES: 10031
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: Windows NT 4.0
; SOFTWARE: UNIX
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/993,002A
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: GTN-018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 5796:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Helicobacter pylori
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1...232
US-08-993-002A-5796

Query Match 27.7%; Score 59.5; DB 13; Length 232;
Best Local Similarity 37.1%; Pred. No. 38;
Matches 13; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

Qy 11 RKKEWENAGNKIYTMADK-----TISKLTMEYK 40
Db 80 RUKLWMSNLQNSLFTLLPDKLANALRISDLPSYQ 114

RESULT 14

US-08-625-811-1380
; Sequence 1380, Application US/08625811
; GENERAL INFORMATION:
; APPLICANT: Douglas Smith
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO HELICOBACTER PYLORI AND VACCINE
; TITLE OF INVENTION: COMPOSITIONS THEREOF
; NUMBER OF SEQUENCES: 1724
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 8mm cartridge tape
; COMPUTER: SPARC station LX
; OPERATING SYSTEM: SunOS Release 4.1.3_U1
; SOFTWARE: tar
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/625,811
; FILING DATE: 29-MARCH-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: GTN-001CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-5941
; TELEFAX: (617)227-7400
; INFORMATION FOR SEQ ID NO: 1380:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Helicobacter pylori
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1...233
US-08-625-811-1380

Query Match 27.7%; Score 59.5; DB 10; Length 233;
Best Local Similarity 37.1%; Pred. No. 39;
Matches 13; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

Qy 11 RKKEWENAGNKIYTMADK-----TISKLTMEYK 40
Db 81 RUKLWMSNLQNSLFTLLPDKLANALRISDLPSYQ 115

RESULT 15

US-08-993-002A-5795
; Sequence 5795, Application US/08993002A
; GENERAL INFORMATION:
; APPLICANT: DOUGLAS SMITH et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO HELICOBACTER PYLORI FOR
; NUMBER OF SEQUENCES: 10031
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD

STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: Windows NT 4.0
SOFTWARE: UNIX
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/993,002A
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Mandragoras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: GTN-018
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 5795:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Helicobacter pylori
FEATURE:
NAME/KEY: misc feature
LOCATION: 1...233
US-08-993-002A-5795

Query Match 27.7%; Score 59.5; DB 13; Length 233;
Best Local Similarity 37.1%; Pred. No. 39;
Matches 13; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

QY 11 RKKEWENNAQNKITYTMAADK-----TISKLMTEYK 40
DB 81 RKLWMSNLQNSLFTLLPDKLANALRLISDLPESYQ 115

Search completed: July 18, 2003, 19:34:56
Job time : 42.1127 secs

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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:51 / Search time 11.713 Seconds
(without alignments)
902.695 Million cell updates/sec

Title: US-09-991-681-30

Perfect score: 215
Sequence: 1 SPKVEKDPSPRRKKEWENAGNKIYTMADKTIISKLMTEYK 40

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 1232328 seqs, 264332421 residues

Total number of hits satisfying chosen parameters: 1232328

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	215	100.0	1770	2 PCT-US03-01943-44	Sequence 44, Appl
2	215	100.0	1839	12 US-10-416-993-495	Sequence 495, App
3	215	100.0	1872	2 PCT-US03-04508-32	Sequence 32, Appl
4	215	100.0	1872	11 US-10-367-978-32	Sequence 32, Appl
5	215	100.0	2221	2 PCT-US03-01943-30	Sequence 30, Appl
6	65	30.2	1065	12 US-10-437-963-153423	Sequence 153423,
7	63.5	29.5	604	12 US-10-369-493-22757	Sequence 22757, A
8	59.5	27.7	232	12 US-10-335-977-5796	Sequence 5796, Ap
9	59.5	27.7	233	12 US-10-335-977-5795	Sequence 5795, Ap
10	59.5	27.7	268	12 US-10-335-977-5797	Sequence 5797, Ap
11	59	27.4	364	12 US-10-369-493-11489	Sequence 11489, A
12	59	27.4	264	12 US-10-369-493-14338	Sequence 14338, A
13	59	27.4	264	12 US-10-369-493-14597	Sequence 14597, A
14	59	27.4	264	12 US-10-369-493-14979	Sequence 14979, A
15	59	27.4	314	12 US-10-425-114-44366	Sequence 44366, A
16	57	26.5	275	12 US-10-431-652-5591	Sequence 5591, Ap
17	57	26.5	664	12 US-10-181-612-2	Sequence 2, Appl
18	56.5	26.3	388	12 US-10-282-122A-59031	Sequence 59031, A
19	56	26.0	450	12 US-10-282-122A-64092	Sequence 64092, A

20	55.5	25.8	47	12 US-10-424-599-213026	Sequence 213026,
21	55.5	25.8	244	12 US-10-417-684-3889	Sequence 3889, Ap
22	55	25.6	264	12 US-10-369-493-20807	Sequence 20807, A
23	55	25.6	351	12 US-10-356-076-2	Sequence 2, Appl
24	55	25.6	374	12 US-10-424-599-261458	Sequence 261458,
25	54.5	25.3	291	12 US-10-282-122A-45391	Sequence 45391, A
26	54.5	25.3	291	12 US-10-282-122A-46438	Sequence 46438, A
27	54	25.1	55	12 US-10-424-599-200973	Sequence 200973,
28	54	25.1	177	12 US-10-437-963-138656	Sequence 138656,
29	54	25.1	301	12 US-10-425-114-67432	Sequence 67432, A
30	54	25.1	387	12 US-10-369-493-21935	Sequence 21935, A
31	54	25.1	422	12 US-10-437-963-138655	Sequence 138655,
32	54	25.1	457	12 US-10-424-599-172347	Sequence 172347,
33	54	25.1	566	12 US-10-156-761-9082	Sequence 9082, Ap
34	54	25.1	928	12 US-10-425-114-60524	Sequence 60524, A
35	53.5	24.9	490	12 US-10-369-493-552	Sequence 552, App
36	53.5	24.9	1055	12 US-10-437-963-136069	Sequence 136069,
37	53	24.7	264	12 US-10-425-114-66387	Sequence 66387, A
38	53	24.7	388	12 US-10-425-114-68091	Sequence 68091, A
39	53	24.7	416	12 US-10-272-490-87	Sequence 87, Appl
40	53	24.7	446	12 US-10-282-122A-63415	Sequence 63415, A
41	53	24.7	458	12 US-10-272-490-34	Sequence 34, Appl
42	53	24.7	458	12 US-10-214-473-34	Sequence 34, Appl
43	53	24.7	489	11 US-10-284-433-250	Sequence 250, App
44	53	24.7	538	14 US-60-452-680-23287	Sequence 23287, A
45	53	24.7	538	14 US-60-461-762-554	Sequence 554, App

ALIGNMENTS

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RESULT 1
PCT-US03-01943-44
; Sequence 44, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES, INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 9U 901 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/01943
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 10/054,935
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/356,130
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 10/102,946
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 10/117,229
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 10/144,198
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/197,824
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-01943-44

Query Match      100.0%; Score 215; DB 2; Length 1770;
Best Local Similarity 100.0%; Pred. No. 6,1e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SPKVEKDPSPRRKKEWENAGNKIYTMADKTIISKLMTEYK 40
      |||
Db      1584 SPKVEKDPSPRRKKEWENAGNKIYTMADKTIISKLMTEYK 1623

RESULT 2
US-10-416-993-495
; Sequence 495, Application US/10416993
; GENERAL INFORMATION:
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/ APPLICANT: Hyseq, Inc
/ TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
/ FILE REFERENCE: 21272-096
/ CURRENT APPLICATION NUMBER: US/10/416,993
/ CURRENT FILING DATE: 2003-11-16
/ PRIOR APPLICATION NUMBER: 09/714,936
/ PRIOR FILING DATE: 2000-11-17
/ NUMBER OF SEQ ID NOS: 682
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 495
/ LENGTH: 1839
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-416-993-495

Query Match          100.0%; Score 215; DB 12; Length 1839;
Best Local Similarity 100.0%; Pred. No. 6.3e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 1653 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 1692

RESULT 3
PCT-US03-04508-32
/ Sequence 32, Application PC/TUS0304508
/ GENERAL INFORMATION:
/ APPLICANT: IDEC PHARMACEUTICALS
/ APPLICANT: GATELY, DENNIS
/ TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
/ FILE REFERENCE: 037003/0301985
/ CURRENT APPLICATION NUMBER: PCT/US03/04508
/ CURRENT FILING DATE: 2003-02-19
/ PRIOR APPLICATION NUMBER: 60/357,140
/ PRIOR FILING DATE: 2002-02-19
/ PRIOR APPLICATION NUMBER: 60/396,082
/ PRIOR FILING DATE: 2002-07-17
/ PRIOR APPLICATION NUMBER: 60/386,759
/ PRIOR FILING DATE: 2002-06-10
/ NUMBER OF SEQ ID NOS: 93
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 32
/ LENGTH: 1872
/ TYPE: PRT
/ ORGANISM: Homo sapiens
PCT-US03-04508-32

Query Match          100.0%; Score 215; DB 2; Length 1872;
Best Local Similarity 100.0%; Pred. No. 6.5e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 1686 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 1725

RESULT 4
US-10-367-978-32
/ Sequence 32, Application US/10367978
/ GENERAL INFORMATION:
/ APPLICANT: GATELY, DENNIS
/ TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
/ FILE REFERENCE: 037003-0301988
/ CURRENT APPLICATION NUMBER: US/10/367,978
/ CURRENT FILING DATE: 2003-02-19
/ PRIOR APPLICATION NUMBER: 60/357,140
/ PRIOR FILING DATE: 2002-02-19
/ PRIOR APPLICATION NUMBER: 60/396,082
/ PRIOR FILING DATE: 2002-07-17
/ PRIOR APPLICATION NUMBER: 60/386,759
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/ PRIOR FILING DATE: 2002-06-10
/ NUMBER OF SEQ ID NOS: 89
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 32
/ LENGTH: 1872
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-367-978-32

Query Match          100.0%; Score 215; DB 11; Length 1872;
Best Local Similarity 100.0%; Pred. No. 6.5e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 1686 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 1725

RESULT 5
PCT-US03-01943-30
/ Sequence 30, Application PC/TUS0301943
/ GENERAL INFORMATION:
/ APPLICANT: ORIGENE TECHNOLOGIES, INC
/ TITLE OF INVENTION: CANCER GENES
/ FILE REFERENCE: 3U 9U 901 PCT
/ CURRENT APPLICATION NUMBER: PCT/US03/01943
/ CURRENT FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: US 10/054,935
/ PRIOR FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: US 60/356,130
/ PRIOR FILING DATE: 2002-02-14
/ PRIOR APPLICATION NUMBER: US 10/102,946
/ PRIOR FILING DATE: 2002-03-22
/ PRIOR APPLICATION NUMBER: US 10/117,229
/ PRIOR FILING DATE: 2002-04-08
/ PRIOR APPLICATION NUMBER: US 10/144,198
/ PRIOR FILING DATE: 2002-05-14
/ PRIOR APPLICATION NUMBER: US 10/197,824
/ PRIOR FILING DATE: 2002-07-19
/ NUMBER OF SEQ ID NOS: 102
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 30
/ LENGTH: 2221
/ TYPE: PRT
/ ORGANISM: Homo sapiens
PCT-US03-01943-30

Query Match          100.0%; Score 215; DB 2; Length 2221;
Best Local Similarity 100.0%; Pred. No. 7.7e-19;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 40
Db 2035 SPKVEKKDPSRKKEWENAGNKIYTMADKTIISKLMTEYK 2074

RESULT 6
US-10-437-963-153423
/ Sequence 153423, Application US/10437963
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Bairdazuk, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
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NUMBER OF SEQ ID NOS: 204966
SEQ ID NO: 153423
LENGTH: 1065
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(1065)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_53380C.1.pep
US-10-437-963-153423

Query Match 30.2%; Score 65; DB 12; Length 1065;
Best Local Similarity 32.3%; Pred. No. 10;
Matches 10; Conservative 8; Mismatches 13; Indels 0; Gaps 0;

Qy 1 SPKVEKDPSPRKKEWENAGNKIYTMADKT 31
Db 488 TPLSDSDLRCCQWNNNAKKVATLEPDR 518

RESULT 7
US-10-369-493-22757
Sequence 22757, Application US/10369493
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xiandeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO: 22757
LENGTH: 604
TYPE: PRT
ORGANISM: Schizosaccharomyces pombe
US-10-369-493-22757

Query Match 29.5%; Score 63.5; DB 12; Length 604;
Best Local Similarity 41.2%; Pred. No. 8.9;
Matches 14; Conservative 5; Mismatches 14; Indels 1; Gaps 1;

Qy 2 PKVEKKDPSPRKKEWENAGNKIYTMADKTISK 35
Db 13 PKIEKKS-KRNKRKWLNDENKTHVASEAIERL 45

RESULT 8
US-10-335-977-5796
Sequence 5796, Application US/10335977
GENERAL INFORMATION:
APPLICANT: DOUGLAS SMITH et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO HELICOBACTER PYLORI FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 10031
CORRESPONDENCE ADDRESS:
ADDRESS: LAHIVE & COCKFIELD
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: IBM PC Compatible

OPERATING SYSTEM: Windows NT 4.0
SOFTWARE: UNIX
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/335,977
FILING DATE: 30-Dec-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/993,002
FILING DATE: 17-Dec-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: GTN-018
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 5796:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Helicobacter pylori
FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...232
SEQUENCE DESCRIPTION: SEQ ID NO: 5796:
US-10-335-977-5796

Query Match 27.7%; Score 59.5; DB 12; Length 232;
Best Local Similarity 37.1%; Pred. No. 11;
Matches 13; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

Qy 11 RKKEWENAGNKIYTMADK-----TISKMTYK 40
Db 80 RLKLMWSVLQNSLFTLLPDKLANALRISDLPESTQ 114

RESULT 9
US-10-335-977-5795
Sequence 5795, Application US/10335977
GENERAL INFORMATION:
APPLICANT: DOUGLAS SMITH et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO HELICOBACTER PYLORI FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 10031
CORRESPONDENCE ADDRESS:
ADDRESS: LAHIVE & COCKFIELD
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: Windows NT 4.0
SOFTWARE: UNIX
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/335,977
FILING DATE: 30-Dec-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/993,002
FILING DATE: 17-Dec-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: GTN-018
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

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/ INFORMATION FOR SEQ ID NO: 5795:
/   SEQUENCE CHARACTERISTICS:
/       LENGTH: 233 amino acids
/       TYPE: amino acid
/       TOPOLOGY: linear
/   MOLECULE TYPE: protein
/   HYPOTHETICAL: YES
/   ORIGINAL SOURCE:
/       ORGANISM: Helicobacter pylori
/   FEATURE:
/       NAME/KEY: misc feature
/       LOCATION: (B) LOCATION 1...233
/   SEQUENCE DESCRIPTION: SEQ ID NO: 5795:
US-10-335-977-5795

Query Match      27.7%; Score 59.5; DB 12; Length 233;
Best Local Similarity 37.1%; Pred. No. 11;
Matches 13; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

Qy      11 RKKEWENAGNKIYTMADK----TISKLMTEYK 40
Db      81 RLKLWMSNLQNSLFTLPDLKLANALRISDLPSYQ 115

RESULT 10
US-10-335-977-5797
/ Sequence 5797, Application US/10335977
/ GENERAL INFORMATION:
/   APPLICANT: DOUGLAS SMITH et al
/   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
/       RELATING TO HELICOBACTER PYLORI FOR
/       DIAGNOSTICS AND THERAPEUTICS
/   NUMBER OF SEQUENCES: 10031
/   CORRESPONDENCE ADDRESS:
/       ADDRESSEE: LAHIVE & COCKFIELD
/       STREET: 28 State Street
/       CITY: Boston
/       STATE: Massachusetts
/       COUNTRY: USA
/       ZIP: 02109-1875
/   COMPUTER READABLE FORM:
/       MEDIUM TYPE: CD-ROM ISO9660
/       COMPUTER: IBM PC Compatible
/       OPERATING SYSTEM: Windows NT 4.0
/       SOFTWARE: UNIX
/   CURRENT APPLICATION DATA:
/       APPLICATION NUMBER: US/10/335,977
/       FILING DATE: 30-Dec-2002
/   PRIOR APPLICATION DATA:
/       APPLICATION NUMBER: 08/993,002
/       FILING DATE: 17-DEC-1997
/   ATTORNEY/AGENT INFORMATION:
/       NAME: Mandiagouras, Amy E.
/       REGISTRATION NUMBER: 36,207
/       REFERENCE/DOCKET NUMBER: GTN-018
/   TELECOMMUNICATION INFORMATION:
/       TELEPHONE: (617) 227-7400
/       TELEFAX: (617) 742-4214
/   INFORMATION FOR SEQ ID NO: 5797:
/   SEQUENCE CHARACTERISTICS:
/       LENGTH: 388 amino acids
/       TYPE: amino acid
/       TOPOLOGY: linear
/   MOLECULE TYPE: protein
/   HYPOTHETICAL: YES
/   ORIGINAL SOURCE:
/       ORGANISM: Helicobacter pylori
/   FEATURE:
/       NAME/KEY: misc feature
/       LOCATION: (B) LOCATION 1...388
/   SEQUENCE DESCRIPTION: SEQ ID NO: 5797:
US-10-335-977-5797

Query Match      27.7%; Score 59.5; DB 12; Length 388;
Best Local Similarity 37.1%; Pred. No. 18;
Matches 13; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

Qy      11 RKKEWENAGNKIYTMADK----TISKLMTEYK 40
Db      217 RLKLWMSNLQNSLFTLPDLKLANALRISDLPSYQ 251

RESULT 11
US-10-369-493-11489
/ Sequence 11489, Application US/10369493
/ GENERAL INFORMATION:
/   APPLICANT: Cao, Yongwei
/   APPLICANT: Hinkle, Gregory J.
/   APPLICANT: Slater, Steven C.
/   APPLICANT: Goldman, Barry S.
/   APPLICANT: Chen, Xianteng
/   TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
/       FILE REFERENCE: 38-10(52052)B
/   CURRENT APPLICATION NUMBER: US/10/369,493
/   PRIOR FILING DATE: 2003-02-28
/   PRIOR APPLICATION NUMBER: US 60/360,039
/   PRIOR FILING DATE: 2002-02-21
/   NUMBER OF SEQ ID NOS: 47374
/   SEQ ID NO 11489
/   LENGTH: 264
/   TYPE: PRT
/   ORGANISM: Agrobacterium tumefaciens
/   US-10-369-493-11489

Query Match      27.4%; Score 59; DB 12; Length 264;
Best Local Similarity 37.0%; Pred. No. 14;
Matches 10; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

Qy      13 KEMWENAGNKIYTMADKTSKLMTEY 39
Db      62 KVMVENYGHDAFIKSVDESLSKKLKT DY 88

RESULT 12
US-10-369-493-14338
/ Sequence 14338, Application US/10369493
/ GENERAL INFORMATION:
/   APPLICANT: Cao, Yongwei
/   APPLICANT: Hinkle, Gregory J.
/   APPLICANT: Slater, Steven C.
/   APPLICANT: Goldman, Barry S.
/   APPLICANT: Chen, Xianteng
/   TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
/       FILE REFERENCE: 38-10(52052)B
/   CURRENT APPLICATION NUMBER: US/10/369,493
/   PRIOR FILING DATE: 2003-02-28
/   PRIOR APPLICATION NUMBER: US 60/360,039
/   PRIOR FILING DATE: 2002-02-21
/   NUMBER OF SEQ ID NOS: 47374
/   SEQ ID NO 14338
/   LENGTH: 264
/   TYPE: PRT
/   ORGANISM: Agrobacterium tumefaciens
/   US-10-369-493-14338

Query Match      27.4%; Score 59; DB 12; Length 264;
Best Local Similarity 37.0%; Pred. No. 14;
Matches 10; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

Qy      13 KEMWENAGNKIYTMADKTSKLMTEY 39
Db      62 KVMVENYGHDAFIKSVDESLSKKLKT DY 88
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RESULT 13
US-10-369-493-14597
; Sequence 14597, Application US/10369493
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 14597
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Agrobacterium tumefaciens
US-10-369-493-14597

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Query Match      27.4% Score 59; DB 12; Length 264;
Best Local Similarity 37.0%; Pred. No. 14;
Matches 10; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

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Qy 13 KEMWENAGNKIYTMADKTIKLMTEY 39
Db 62 KMWENYGHDAFIKSVDESLKLTIDY 88

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RESULT 14
US-10-369-493-14979
; Sequence 14979, Application US/10369493
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 14979
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Agrobacterium tumefaciens
US-10-369-493-14979

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Query Match      27.4% Score 59; DB 12; Length 264;
Best Local Similarity 37.0%; Pred. No. 14;
Matches 10; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

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Qy 13 KEMWENAGNKIYTMADKTIKLMTEY 39
Db 62 KMWENYGHDAFIKSVDESLKLTIDY 88

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RESULT 15
US-10-425-114-44366
; Sequence 44366, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E

```

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; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; PRIOR FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 44366
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 701166216_F11.pep
US-10-425-114-44366

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Query Match      27.4% Score 59; DB 12; Length 314;
Best Local Similarity 36.0%; Pred. No. 17;
Matches 18; Conservative 6; Mismatches 14; Indels 12; Gaps 2;

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Qy 1 SPKYEKKDPSR-----KEMWENAGNKIYTMAD--KTIKLMTE 38
Db 240 SAAYELKSPSRVFTSPAPTAKRTFWDIGNSPSVLAANGKRTSHVATE 289

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Search completed: July 18, 2003, 19:39:54
Job time : 13.713 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:46 ; Search time 3.33089 Seconds
(without alignments)
309.167 Million cell updates/sec

Title: US-09-991-681-29

Perfect score: 180
Sequence: 1 SFQSSSTPTGTFGSGKETPSDRSQSREHNGES 35

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/backfillseq1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	180	100.0	35	US-09-065-383-29	Sequence 29, Appl
2	180	100.0	518	US-09-065-383-27	Sequence 27, Appl
3	52.5	29.2	717	US-08-910-925-1	Sequence 1, Appl
4	50	27.8	309	US-08-465-167A-24	Sequence 24, Appl
5	50	27.8	309	US-08-993-118-10	Sequence 10, Appl
6	50	27.8	309	US-08-845-528C-10	Sequence 10, Appl
7	50	27.8	309	US-08-627-820-24	Sequence 24, Appl
8	50	27.8	401	US-08-549-004A-5	Sequence 5, Appl
9	50	27.8	401	US-09-051-982A-5	Sequence 5, Appl
10	50	27.8	1261	US-09-208-742-4	Sequence 4, Appl
11	50	27.8	1261	US-09-332-295-2	Sequence 2, Appl
12	50	27.8	1261	US-09-709-979-2	Sequence 2, Appl
13	49.5	27.5	674	US-08-893-852A-1	Sequence 1, Appl
14	49.5	27.5	703	US-08-910-925-4	Sequence 4, Appl
15	49	27.2	683	US-09-620-412C-357	Sequence 357, App
16	49	27.2	821	US-09-556-877-195	Sequence 195, App
17	49	27.2	821	US-09-620-412C-195	Sequence 195, App
18	49	27.2	1776	US-09-556-877-179	Sequence 179, App
19	49	27.2	1776	US-09-620-412C-179	Sequence 179, App
20	48.5	26.9	568	US-08-320-558-30	Sequence 30, Appl
21	48.5	26.9	568	US-08-545-860D-30	Sequence 30, Appl
22	48.5	26.9	568	PCT-US94-04496-10	Sequence 10, Appl
23	48	26.7	714	US-09-347-878-16	Sequence 16, Appl
24	47.5	26.4	590	US-08-893-852A-4	Sequence 4, Appl
25	47.5	26.4	590	US-08-821-818-2	Sequence 2, Appl
26	47	26.1	300	US-09-277-078-2	Sequence 2, Appl
27	47	26.1	365	US-08-481-814A-10	Sequence 10, Appl

28	47	26.1	1704	US-08-485-355B-40	Sequence 40, Appl
29	47	26.1	2265	US-08-149-097D-36	Sequence 36, Appl
30	47	26.1	2509	US-08-149-097D-35	Sequence 35, Appl
31	46.5	25.8	98	US-08-481-658B-50	Sequence 50, Appl
32	46.5	25.8	98	US-08-477-504A-50	Sequence 50, Appl
33	46.5	25.8	98	US-08-486-756A-50	Sequence 50, Appl
34	46.5	25.8	98	US-08-485-862B-50	Sequence 50, Appl
35	46.5	25.8	98	US-08-487-077A-50	Sequence 50, Appl
36	46.5	25.8	98	US-08-485-863A-50	Sequence 50, Appl
37	46.5	25.8	98	US-08-485-049D-50	Sequence 50, Appl
38	46.5	25.8	106	US-08-893-042-1	Sequence 1, Appl
39	46.5	25.8	240	US-08-760-745-3	Sequence 3, Appl
40	46.5	25.8	377	US-08-787-739-87	Sequence 87, Appl
41	46.5	25.8	377	US-09-178-115-87	Sequence 87, Appl
42	46.5	25.8	377	US-09-177-776-87	Sequence 87, Appl
43	46.5	25.8	422	US-08-335-469-2	Sequence 2, Appl
44	46.5	25.8	459	US-08-481-658B-2	Sequence 2, Appl
45	46.5	25.8	459	US-08-477-504A-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-065-383-29
Sequence 29, Application US/09065383
Patent No. 6391543
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANDOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084, US, P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-29

Query Match 100.0%; Score 180; DB 4; Length 35;
Best Local Similarity 100.0%; Pred. No. 1e-18;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESSTPSTGFGSKETPSEDPRSOSRHHMGS 35
DB 1 SF0SESSTPSTGFGSKETPSEDPRSOSRHHMGS 35

RESULT 2
US-09-065-383-27
Sequence 27, Application US/09065383

GENERAL INFORMATION:
APPLICANT: BILLING-MEDDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COPPITS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAIP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/847,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-27

Query Match 100.0%; Score 180; DB 4; Length 518;
Best Local Similarity 100.0%; Pred. No. 2.6e-17;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SF0SESSTPSTGFGSKETPSEDPRSOSRHHMGS 35
DB 283 SF0SESSTPSTGFGSKETPSEDPRSOSRHHMGS 317

RESULT 3
US-08-910-925-1
Sequence 1, Application US/08910925

GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Shah, Purvi
TITLE OF INVENTION: HUMAN PININ SPLICE VARIANT
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Inocyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,925
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0365 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0595
TELEFAX: 650-845-4166
TELEX:

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 717 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: FIBRNOT01
CLONE: 53219
US-08-910-925-1

Query Match 29.2%; Score 52.5; DB 4; Length 717;
Best Local Similarity 41.2%; Pred. No. 27;
Matches 14; Conservative 6; Mismatches 9; Indels 5; Gaps 1;

QY 1 SF0SESSTPSTGFGSKETPSEDPRSOSR 29
DB 603 SRSSSSSSSTGSGSSSRSSSSSTSSSSSRSR 636

RESULT 4
US-08-465-167A-24
Sequence 24, Application US/08465167A
Patent No. 5750395
GENERAL INFORMATION:
APPLICANT: Fikes, John D.
APPLICANT: Livingston, Brian D.
APPLICANT: Sette, Alessandro D.
APPLICANT: Sidney, John C.

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1      FILING DATE:
2      CLASSIFICATION:
3      PRIOR APPLICATION DATA:
4      APPLICATION NUMBER: US/08/845,528
5      FILING DATE: April 25, 1997
6      ATTORNEY/AGENT INFORMATION:
7      NAME: Mary Anne Schofield
8      REGISTRATION NUMBER: 36,669
9      REFERENCE/DOCKET NUMBER: LUD 5455
10     TELECOMMUNICATION INFORMATION:
11     TELEPHONE: (212) 688-9200
12     TELEFAX: (212) 838-3884
13     INFORMATION FOR SEQ ID NO: 10:
14     SEQUENCE CHARACTERISTICS:
15     LENGTH: 309
16     TYPE: amino acids
17     STRANDEDNESS: single stranded
18     TOPOLOGY: linear
19     US-08-993-118-10
20
21     Query Match      27.8%; Score 50; DB 2; Length 309;
22     Best Local Similarity 42.4%; Pred. No. 22;
23     Matches 14; Conservative 4; Mismatches 13; Indels 2; Gaps 1
24
25     QY      3 QSESSTPSTGFGSGKETPSDDRSQSRHMGES 35
26             | | | | | | | | | | | | | | | |
27     Db      59 QGASAPPTTINFTROQPSSEG--SSRREEGGPS 89
28
29 RESULT 6
30 US-08-845-528C-10
31 : Sequence 10, Application US/0845528C
32 : Patent No. 6027924
33 : GENERAL INFORMATION:
34 : APPLICANT: LUCAS, Sophie;
35 : APPLICANT: DE SMET, Charles;
36 : TITLE OF INVENTION: BOON-FALBEUR, Thierry
37 : TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULE CODING FOR TUMOR
38 : TITLE OF INVENTION: REJECTEDION ANTIGEN PRECURSOR MAG-E-C1 AND USES
39 : NUMBER OF SEQUENCES: 14
40 : CORRESPONDENCE ADDRESS:
41 : ADDRESSEE: Felife & Lynch
42 : STREET: 805 Third Avenue
43 : CITY: New York City
44 : STATE: New York
45 : COUNTRY: USA
46 : ZIP: 10022
47 : COMPUTER READABLE FORM:
48 : MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
49 : COMPUTER: IBM PS/2
50 : OPERATING SYSTEM: PC-DOS
51 : SOFTWARE: Wordperfect
52 : CURRENT APPLICATION DATA:
53 : APPLICATION NUMBER: US/08/845,528C
54 : FILING DATE: April 25, 1997
55 : CLASSIFICATION: 4335
56 : ATTORNEY/AGENT INFORMATION:
57 : NAME: Mary Anne Schofield
58 : REGISTRATION NUMBER: 36,669
59 : REFERENCE/DOCKET NUMBER: LUD 5455
60 : TELECOMMUNICATION INFORMATION:
61 : TELEPHONE: (212) 688-9200
62 : TELEFAX: (212) 838-3884
63 : INFORMATION FOR SEQ ID NO: 10:
64 : SEQUENCE CHARACTERISTICS:
65 : LENGTH: 309
66 : TYPE: amino acids
67 : STRANDEDNESS: single stranded
68 : TOPOLOGY: linear
69 : US-08-845-528C-10
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71     Query Match      27.8%; Score 50; DB 3; Length 309;

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TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: TMLR3D701
CLONE: 508302
US-08-893-852A-1

Query Match 27.5%; Score 49.5; DB 3; Length 674;
Best Local Similarity 37.9%; Pred. No. 65;
Matches 11; Conservative 6; Mismatches 5; Indels 7; Gaps 1;

QY 3 QSESSTPSTGTF-----SGKETPSDD 24
DB 374 EASSSTPATGVFLKSWYQPGEDTEBED 402

RESULT 14
US-08-910-925-4
Sequence 4, Application US/08910925
Patent No. 6162601
GENERAL INFORMATION:

APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
TITLE OF INVENTION: HUMAN PININ SPLICER VARIANT
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: IBM Compatible
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,925
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0365 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166

TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 703 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: Genbank
CLONE: 1684843
US-08-910-925-4

Query Match 27.5%; Score 49.5; DB 4; Length 703;
Best Local Similarity 38.2%; Pred. No. 68;
Matches 13; Conservative 7; Mismatches 9; Indels 5; Gaps 1;

QY 1 SFOSESSTPSTGTFSGKE-----TPSEDRSGR 29
DB 615 SSRSSSSSTSGSSSRDSSSTSSSSRSR 648

RESULT 15

US-09-620-412C-357
Sequence 357, Application US/09620412C
Patent No. 6448234
GENERAL INFORMATION:
APPLICANT: Steven P. Fling
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
FILE REFERENCE: 210121.469C7
CURRENT APPLICATION NUMBER: US/09/620,412C
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 363
SOFTWARE: FASTSEQ for Windows Version 3.0/4.0
SEQ ID NO 357
LENGTH: 683
TYPE: PRT
ORGANISM: Chlamydia trachomatis
US-09-620-412C-357

Query Match 27.2%; Score 49; DB 4; Length 683;
Best Local Similarity 34.3%; Pred. No. 78;
Matches 12; Conservative 5; Mismatches 18; Indels 0; Gaps 0;

QY 1 SFOSESSTPSTGTFSGKETPSDDRSQSRHMGES 35
DB 173 SSKSGSTPDCGAASSGAPSGDSISANACIAXS 207

Search completed: July 18, 2003, 19:23:04
Job time: 4.33089 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Comugen Ltd..

OM protein - protein search, using SW model

Run on: July 18, 2003, 19:21:51 ; Search time 4.20205 Seconds
(without alignments)
989.182 Million cell updates/sec

Title: US-09-991-681-29

Perfect score: 180
Sequence: 1 SFOSSSTPTGTFSGKETPEEDRSGREHMGES 35

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA.*
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2: /cgn2_6/ptodata/1/pubpaa/PC7_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/PC7S_PUBCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	56	31.1	102	US-09-864-761-35901	Sequence 35901, A
2	53.5	29.7	737	US-10-228-931-4	Sequence 4, Appli
3	52.5	29.2	91	US-10-090-035-16	Sequence 16, Appli
4	51	28.3	42	US-09-955-807-9	Sequence 9, Appli
5	51	28.3	65	US-09-955-807-5	Sequence 5, Appli
6	51	28.3	65	US-09-955-807-10	Sequence 10, Appli
7	51	28.3	77	US-09-955-807-4	Sequence 4, Appli
8	51	28.3	79	US-09-955-807-3	Sequence 3, Appli
9	51	28.3	80	US-09-955-807-16	Sequence 16, Appli
10	51	28.3	89	US-09-955-807-15	Sequence 15, Appli
11	51	28.3	105	US-09-955-807-2	Sequence 2, Appli
12	51	28.3	105	US-09-955-807-14	Sequence 14, Appli
13	51	28.3	758	US-09-904-987-5	Sequence 5, Appli
14	50	27.8	212	US-09-764-891-4686	Sequence 4686, Ap
15	50	27.8	253	US-09-864-761-37733	Sequence 37733, A
16	50	27.8	275	US-09-755-456-9	Sequence 9, Appli

17	50	27.8	309	11	US-09-766-889A-2	Sequence 2, Appli
18	50	27.8	309	15	US-10-085-108-10	Sequence 10, Appli
19	50	27.8	413	10	US-09-801-574-2	Sequence 2, Appli
20	50	27.8	428	15	US-10-156-761-11846	Sequence 11846, A
21	50	27.8	856	11	US-09-738-626-3515	Sequence 3515, Ap
22	50	27.8	1031	10	US-09-815-242-10932	Sequence 10932, A
23	50	27.8	1261	15	US-10-147-268-2	Sequence 2, Appli
24	50	27.8	1261	15	US-10-318-779-2	Sequence 20, Appli
25	50	27.8	1261	10	US-09-841-132-444	Sequence 44, Ap
26	49.5	27.5	99	10	US-09-216-193-20	Sequence 20, Appli
27	48.5	27.5	232	15	US-10-156-761-12867	Sequence 12867, A
28	48.5	27.5	515	11	US-09-801-368-384	Sequence 384, App
29	49.5	27.5	737	11	US-09-771-161A-195	Sequence 195, App
30	49.5	27.5	1908	15	US-10-128-714-3475	Sequence 3475, Ap
31	49.5	27.5	2022	15	US-10-128-714-8475	Sequence 8475, Ap
32	49	27.2	331	10	US-09-815-242-5912	Sequence 5912, Ap
33	49	27.2	331	10	US-09-815-242-12872	Sequence 12872, A
34	49	27.2	331	10	US-09-815-242-13146	Sequence 13146, A
35	49	27.2	489	10	US-09-876-889-350	Sequence 350, App
36	49	27.2	683	10	US-09-841-132-357	Sequence 357, App
37	49	27.2	821	10	US-09-841-132-195	Sequence 195, App
38	49	27.2	1776	10	US-09-841-132-179	Sequence 179, App
39	49	27.2	2011	15	US-10-176-847-56	Sequence 56, Appli
40	48.5	26.9	550	15	US-10-156-761-14105	Sequence 14105, A
41	48.5	26.9	724	11	US-09-925-300-1053	Sequence 1053, Ap
42	48	26.7	124	12	US-09-764-991-4135	Sequence 4135, Ap
43	48	26.7	324	15	US-10-156-761-9761	Sequence 9761, Ap
44	48	26.7	444	11	US-09-738-626-6577	Sequence 6577, Ap
45	48	26.7	699	15	US-10-198-070-85	Sequence 85, Appli

ALIGNMENTS

RESULT 1
US-09-864-761-35901
Sequence 35901, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aecm1ca-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662

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PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00661
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00670
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: US 60/234,687
PRIORITY FILING DATE: 2000-09-21
PRIORITY APPLICATION NUMBER: US 09/608,408
PRIORITY FILING DATE: 2000-06-30
PRIORITY APPLICATION NUMBER: US 09/774,203
PRIORITY FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
SEQ ID NO 35801
LENGTH: 102
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL096678.8
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.1
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.2
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.96
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.98
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2
OTHER INFORMATION: EST_HUMAN HIT: BF92924.1, EVALUATE 1.40e-01
US-09-864 -761 -35901

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Query Match	31.1%	Score 56	DB 10	Length 102
Best Local Similarity	40.0%	Pred.No. 6		
Matches 12	Conservative 6	Mismatches 8	Indels 4	Gaps 1

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QY      3 QSESSTPSTGGFSGKETPSIEDDRSQSREHM 32
          |||:| .:| ||| |||:|
DB     27 QNESQSPQ----EP EEGSPSED DKAEGEREM 52

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RESULT 2
US-10-228-931-4
Sequence 4, Application US/10228931
Publication No. US2003005158A1
GENERAL INFORMATION:
APPLICANT: Verma, Ajit K
APPLICANT: Reddy, Peter J
APPLICANT: Jensen, Aaron P
TITLE OF INVENTION: Animal Model System for Squamous Cell Carcinoma
FILE REFERENCE: 960296, 97613
CURRENT APPLICATION NUMBER: US/10/228, 931
CURRENT FILING DATE: 2002-08-27
PRIOR APPLICATION NUMBER: US/09/772, 647
PRIOR FILING DATE: 2001-01-30
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 737
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: T7 tag and
OTHER INFORMATION: mouse protein kinase C epsilon coding sequence
US-10-228-931-4

Query Match	29.7%	Score 53.5	DB 15	Length 737
Best Local Similarity	48.0%	Pred. No. 1.1e+02		
Matches 12, Conservative		5, Mismatches 3,	Indels 5,	Gaps 1

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OY      4 SESSTPSTGFSCKETPSEDDRSQS 28
          :|| :|| :||| :||| :||
1b      327 AESPPASG-----NSPSEDDRSKS 346

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RESULT 3
US-10-090-035-16
; Sequence 16, Application US/10090035
; Publication No. US20020170089A1
; GENERAL INFORMATION:
; APPLICANT: Simmons, Carl R.
; TITLE OF INVENTION: Nucleic Acids Encoding Defense Inducible
; TITLE OF INVENTION: Proteins and Uses Thereof
; FILE REFERENCE: 357/18/242990
; CURRENT APPLICATION NUMBER: US/10/090,035
; PRIOR APPLICATION NUMBER: 2002-02-28
; PRIOR FILING DATE: 02/28/2001
; NUMBER OF SEQ. ID NOS.: 25
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-090-035-16

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Query Match	29.2%	Score 52.5;	DB 15;	Length 91;
Best Local Similarity	43.9%	Pred. No. 15;		
Matches 18; Conservative	1;	Mismatches 11;	Indels 11;	Gaps 2

QY 1 SFQSESTPSTGTGFGSG-----KETPSDDRQSQRH 31
 | : | | | | | | | | | | | | | |
DB 11 SEEVRSVTP-TGGFLGRGVQQQHVKETFQEIDRSGSGRH 50

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US-09-955-807-9
US-09-955-807-9
? Sequence 9, Application US/09955807
? Patent No.: US20020132996A1
? GENERAL INFORMATION:
? APPLICANT: Lok, Si
? APPLICANT: Sheppard, Paul O.
? APPLICANT: Kindsvogel, Wayne
? APPLICANT: Bott, Susan J.
? TITLE OF INVENTION: Secretary Protein-48
? FILE REFERENCE: 98-17C1
? CURRENT APPLICATION NUMBER: US/09/955, 807
? CURRENT FILING DATE: 2001-09-19
? PRIOR APPLICATION NUMBER: 60/102, 679
? PRIOR FILING DATE: 1998-10-01
? PRIOR APPLICATION NUMBER: 09/410, 603
? PRIOR FILING DATE: 1999-10-01
? NUMBER OF SEQ ID NOS: 17
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 9
? LENGTH: 42
? TYPE: PRT
? ORGANISM: Homo sapiens
US-09-955-807-9
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Query Match	28.3%	Score 51;	DB 11;	Length 42;
Best Local Similarity	52.2%;	Pred. No. 9.9;		
Matches 12;	Conservative 3;	Mismatches 4;	Indels 4;	Gaps 1

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QY      9 PSTGGFSG----KETPSEDDRSQ 27
          | : || : ' ||| | : | |||
Db     17 PAVTGTGDSGAKETVSQDKRSQ 39

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RESULT 5
US-09-955-807-5
; Sequence 5, Application US/09955807
; Patent No. US2002013296a1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Shepard, Paul O.
; APPLICANT: Kindsvogel, Wayne


```

; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretory Protein-48
; FILE REFERENCE: 98-17CI
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-955-807-5

Query Match      28.3%; Score 51; DB 11; Length 65;
Best Local Similarity 52.2%; Pred. No. 16;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1

Oy      9  PSTGFGSG---KETPSENDREQ 27
      1  PAVTGTGDSGAKETVSQDKRSQ 36
      Db

RESULT 6
US-09-955-807-10
; Sequence 10, Application US/09955807
; Patent No. US2002012996A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Kindvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretory Protein-48
; FILE REFERENCE: 98-17CI
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-955-807-10

Query Match      28.3%; Score 51; DB 11; Length 65;
Best Local Similarity 52.2%; Pred. No. 16;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1

Oy      9  PSTGFGSG---KETPSENDREQ 27
      1  PAVTGTGDSGAKETVSQDKRSQ 36
      Db

RESULT 7
US-09-955-807-4
; Sequence 4, Application US/09955807
; Patent No. US2002012996A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Kindvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretory Protein-48
; FILE REFERENCE: 98-17CI
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19

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; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-955-807-4

Query Match      28.3%; Score 51; DB 11; Length 77;
Best Local Similarity 52.2%; Pred. No. 19;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1

OY      9 PSTGFGSG---KETPSEDRSQ 27
      ||:|||||:||||
Db      26 PAVTGFTGDSGAKETVSDGKRSQ 48

RESULT 8
; US-09-955-807-3
; Sequence 3, Application US/09955807
; Patent No. US20020132996A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Kindsvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretory Protein-48
; FILE REFERENCE: 98-17C1
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-955-807-3

Query Match      28.3%; Score 51; DB 11; Length 79;
Best Local Similarity 52.2%; Pred. No. 20;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1

OY      9 PSTGFGSG---KETPSEDRSQ 27
      ||:|||||:||||
Db      28 PAVTGFTGDSGAKETVSDGKRSQ 50

RESULT 9
; US-09-955-807-16
; Sequence 16, Application US/09955807
; Patent No. US20020132996A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Kindsvogel, Wayne
; APPLICANT: Bort, Susan J.
; TITLE OF INVENTION: Secretory Protein-48
; FILE REFERENCE: 98-17C1
; CURRENT APPLICATION NUMBER: US/09/955,807
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/102,679
; PRIOR FILING DATE: 1998-10-01
; PRIOR APPLICATION NUMBER: 09/410,603
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 17
;

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SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 16
LENGTH: 80
TYPE: PRT
ORGANISM: Homo sapiens
US-09-955-807-16

Query Match 28.3%; Score 51; DB 11; Length 80;
Best Local Similarity 52.2%; Pred. No. 20;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

QY 9 PSTGFGSG---KETPSEDDRSQ 27
DB 29 PAVTGFTGDSGAKETVSQDKRSQ 51

RESULT 10
US-09-955-807-15
Sequence 15, Application US/09955807
Patent No. US2002013296A1
GENERAL INFORMATION:
APPLICANT: Lok, Si
APPLICANT: Sheppard, Paul O.
APPLICANT: Kindsvogel, Wayne
APPLICANT: Bort, Susan J.
TITLE OF INVENTION: Secretory Protein-48
FILE REFERENCE: 98-17C1
CURRENT APPLICATION NUMBER: US/09/955,807
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/102,679
PRIOR FILING DATE: 1998-10-01
PRIOR APPLICATION NUMBER: 09/410,603
PRIOR FILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 89
TYPE: PRT
ORGANISM: Homo sapiens
US-09-955-807-15

Query Match 28.3%; Score 51; DB 11; Length 89;
Best Local Similarity 52.2%; Pred. No. 22;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

QY 9 PSTGFGSG---KETPSEDDRSQ 27
DB 38 PAVTGFTGDSGAKETVSQDKRSQ 60

RESULT 11
US-09-955-807-2
Sequence 2, Application US/09955807
Patent No. US2002013296A1
GENERAL INFORMATION:
APPLICANT: Lok, Si
APPLICANT: Sheppard, Paul O.
APPLICANT: Kindsvogel, Wayne
APPLICANT: Bort, Susan J.
TITLE OF INVENTION: Secretory Protein-48
FILE REFERENCE: 98-17C1
CURRENT APPLICATION NUMBER: US/09/955,807
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/102,679
PRIOR FILING DATE: 1998-10-01
PRIOR APPLICATION NUMBER: 09/410,603
PRIOR FILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens

US-09-955-807-2

Query Match 28.3%; Score 51; DB 11; Length 105;
Best Local Similarity 52.2%; Pred. No. 27;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

QY 9 PSTGFGSG---KETPSEDDRSQ 27
DB 54 PAVTGFTGDSGAKETVSQDKRSQ 76

RESULT 12
US-09-955-807-14
Sequence 14, Application US/09955807
Patent No. US2002013296A1
GENERAL INFORMATION:
APPLICANT: Lok, Si
APPLICANT: Sheppard, Paul O.
APPLICANT: Kindsvogel, Wayne
APPLICANT: Bort, Susan J.
TITLE OF INVENTION: Secretory Protein-48
FILE REFERENCE: 98-17C1
CURRENT APPLICATION NUMBER: US/09/955,807
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/102,679
PRIOR FILING DATE: 1998-10-01
PRIOR APPLICATION NUMBER: 09/410,603
PRIOR FILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 14
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-09-955-807-14

Query Match 28.3%; Score 51; DB 11; Length 105;
Best Local Similarity 52.2%; Pred. No. 27;
Matches 12; Conservative 3; Mismatches 4; Indels 4; Gaps 1;

QY 9 PSTGFGSG---KETPSEDDRSQ 27
DB 54 PAVTGFTGDSGAKETVSQDKRSQ 76

RESULT 13
US-09-904-987-5
Sequence 5, Application US/09904987
Patent No. US20020037908A1
GENERAL INFORMATION:
APPLICANT: No. US20020037908A1actyl, Inc.
TITLE OF INVENTION: Methods and Compositions for Controlling Pathological and Prepath
FILE REFERENCE: 42108/26146
CURRENT APPLICATION NUMBER: US/09/904,987
CURRENT FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5
LENGTH: 758
TYPE: PRT
ORGANISM: homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: NCBI ENTREZ / NM_016835
DATABASE ENTRY DATE: 2001-02-13
RELEVANT RESIDUES: (1)..(758)
US-09-904-987-5

Query Match 28.3%; Score 51; DB 10; Length 758;
Best Local Similarity 27.3%; Pred. No. 2,3e+02;
Matches 12; Conservative 7; Mismatches 13; Indels 12; Gaps 1;

QY 4 SSSSTPSTGFGSGKETPSE-----DQRSQSRHWGES 35

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      RESULT 14
      US-09-764-891-4686
      ; Sequence 4686, Application US/09764891
      ; Publication No. US20030077808A1
      ; GENERAL INFORMATION:
      ; APPLICANT: Rosen et al.
      ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
      ; FILE REFERENCE: PC006
      ; CURRENT APPLICATION NUMBER: US/09/764,891
      ; PRIOR FILING DATE: 2001-01-17
      ; Prior application data removed - consult PALM or file wrapper
      ; NUMBER OF SEQ ID NOS: 10231
      ; SOFTWARE: PatentIn Ver. 2.0
      ; SEQ ID NO 4686
      ; LENGTH: 212
      ; TYPE: PRT
      ; ORGANISM: Homo sapiens
      ; FEATURE:
      ; NAME/KEY: SITE
      ; LOCATION: (62)
      ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
      ; NAME/KEY: SITE
      ; LOCATION: (197)
      ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
      ; NAME/KEY: SITE
      ; LOCATION: (205)
      ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
      ; US-09-764-891-4686
      Query Match      27.8%; Score 50; DB 12; Length 212;
      Best Local Similarity 35.7%; Pred. No. 77;
      Matches 10; Conservative 4; Mismatches 14; Indels 0; Gaps 0;
      Oy      1 SFQSSSRPSTGFGSGKETPSDDRSQS 28
      Db      161 NLSSNLFSPQCGGLTCKEAKKEDGTST 188
      RESULT 15
      US-09-864-761-37733
      ; Sequence 37733, Application US/09864761
      ; Patent No. US20020048763A1
      ; GENERAL INFORMATION:
      ; APPLICANT: Penn, Sharon G.
      ; APPLICANT: Rank, David R.
      ; APPLICANT: Hanzel, David K.
      ; APPLICANT: Chen, Wensheng
      ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
      ; FILE REFERENCE: Aeomica-X-1
      ; CURRENT APPLICATION NUMBER: US/09/864,761
      ; PRIOR FILING DATE: 2001-05-23
      ; PRIOR APPLICATION NUMBER: US 60/180,312
      ; PRIOR FILING DATE: 2000-02-04
      ; PRIOR APPLICATION NUMBER: US 60/207,456
      ; PRIOR FILING DATE: 2000-05-26
      ; PRIOR APPLICATION NUMBER: US 09/632,366
      ; PRIOR FILING DATE: 2000-08-03
      ; PRIOR APPLICATION NUMBER: GB 24263.6
      ; PRIOR FILING DATE: 2000-10-04
      ; PRIOR APPLICATION NUMBER: US 60/236,359
      ; PRIOR FILING DATE: 2000-09-27
      ; PRIOR APPLICATION NUMBER: PCT/US01/00666
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00667
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00664
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00669
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      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00665
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00668
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00663
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00662
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00661
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: PCT/US01/00670
      ; PRIOR FILING DATE: 2001-01-30
      ; PRIOR APPLICATION NUMBER: US 60/234,687
      ; PRIOR FILING DATE: 2000-09-21
      ; PRIOR APPLICATION NUMBER: US 09/608,408
      ; PRIOR FILING DATE: 2000-06-30
      ; PRIOR APPLICATION NUMBER: US 09/774,203
      ; PRIOR FILING DATE: 2001-01-29
      ; NUMBER OF SEQ ID NOS: 49117
      ; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
      ; SEQ ID NO 37733
      ; LENGTH: 253
      ; TYPE: PRT
      ; ORGANISM: Homo sapiens
      ; FEATURE:
      ; OTHER INFORMATION: MAP TO AC006059.3
      ; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.2
      ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
      ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.3
      ; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
      ; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.4
      ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7
      ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.4
      ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.6
      ; OTHER INFORMATION: EXPRESSED IN HUMAN HIT: A1350947.1, EVALUE 1.00e-78
      ; OTHER INFORMATION: SWISSPROT HIT: P30414, EVALUE 1.00e-108
      ; US-09-864-761-37733
      Query Match      27.8%; Score 50; DB 10; Length 253;
      Best Local Similarity 66.7%; Pred. No. 94;
      Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
      Oy      15 SGEKTPSDDRSQSR 29
      Db      203 SDEQTPSRDDDSQSR 217
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Job time : 5.20205 secs

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OM protein - protein search, using SW model

Run on: July 18, 2003, 19:21:46 / Search time 35.9736 Seconds

(without alignments)
627.283 Million cell updates/sec

Title: US-09-991-681-29

Perfect score: 180
Sequence: 1 SFGSSSTPTGFGSGKETPSDDRSQSGREHMGES 35

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Pending Patents_AA_Main:*

1: /cgn2_6/ptodata/1/paa/PCTUS_COMB.pep.*
2: /cgn2_6/ptodata/1/paa/US06_COMB.pep.*
3: /cgn2_6/ptodata/1/paa/US07_COMB.pep.*
4: /cgn2_6/ptodata/1/paa/US08_COMB.pep.*
5: /cgn2_6/ptodata/1/paa/US081_COMB.pep.*
6: /cgn2_6/ptodata/1/paa/US082_COMB.pep.*
7: /cgn2_6/ptodata/1/paa/US083_COMB.pep.*
8: /cgn2_6/ptodata/1/paa/US084_COMB.pep.*
9: /cgn2_6/ptodata/1/paa/US085_COMB.pep.*
10: /cgn2_6/ptodata/1/paa/US086_COMB.pep.*
11: /cgn2_6/ptodata/1/paa/US087_COMB.pep.*
12: /cgn2_6/ptodata/1/paa/US088_COMB.pep.*
13: /cgn2_6/ptodata/1/paa/US089_COMB.pep.*
14: /cgn2_6/ptodata/1/paa/US090_COMB.pep.*
15: /cgn2_6/ptodata/1/paa/US091_COMB.pep.*
16: /cgn2_6/ptodata/1/paa/US092_COMB.pep.*
17: /cgn2_6/ptodata/1/paa/US093_COMB.pep.*
18: /cgn2_6/ptodata/1/paa/US094_COMB.pep.*
19: /cgn2_6/ptodata/1/paa/US095_COMB.pep.*
20: /cgn2_6/ptodata/1/paa/US096_COMB.pep.*
21: /cgn2_6/ptodata/1/paa/US097_COMB.pep.*
22: /cgn2_6/ptodata/1/paa/US098_COMB.pep.*
23: /cgn2_6/ptodata/1/paa/US099_COMB.pep.*
24: /cgn2_6/ptodata/1/paa/US100_COMB.pep.*
25: /cgn2_6/ptodata/1/paa/US101_COMB.pep.*
26: /cgn2_6/ptodata/1/paa/US102_COMB.pep.*
27: /cgn2_6/ptodata/1/paa/US60_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	180	100.0	35	12	US-08-842-385-8
2	180	100.0	35	23	US-09-991-681-29
3	180	100.0	467	12	US-08-842-385-6
4	180	100.0	518	23	US-09-991-681-27
5	180	100.0	1770	25	US-10-144-198-44
6	180	100.0	1807	1	PCT-US01-08631-40087

7	180	100.0	1839	1	PCT-US01-42950-495	Sequence 495, App
8	180	100.0	1982	1	PCT-US01-08631-40090	Sequence 40090, App
9	180	100.0	2221	25	US-10-144-198-30	Sequence 30, App
10	143	79.4	141	26	US-10-221-279-7783	Sequence 7783, App
11	61	33.9	1061	20	US-09-614-150-4746	Sequence 4746, App
12	61	33.9	1061	27	US-60-167-217-4862	Sequence 4862, App
13	61	33.9	1061	27	US-60-173-664-3932	Sequence 3932, App
14	61	33.9	1061	27	US-60-191-637-4764	Sequence 4764, App
15	61	33.9	1061	27	US-60-191-681-3762	Sequence 3762, App
16	59	32.8	253	1	PCT-US01-08631-37316	Sequence 37316, App
17	59	32.8	1378	29	US-60-167-217-8500	Sequence 8500, App
18	59	32.8	1403	20	US-09-614-150-8412	Sequence 8412, App
19	59	32.8	1403	27	US-60-173-664-8811	Sequence 8811, App
20	59	32.8	1403	27	US-60-191-637-8436	Sequence 8436, App
21	59	32.8	1403	27	US-60-191-681-6552	Sequence 6552, App
22	58	32.2	245	26	US-10-219-999-55380	Sequence 55380, App
23	58	32.2	366	21	US-09-708-427-73150	Sequence 73150, App
24	57.5	31.9	592	21	US-09-791-537-48904	Sequence 48904, App
25	57	31.7	294	27	US-60-312-544-6563	Sequence 6563, App
26	57	31.7	345	20	US-09-614-150-37497	Sequence 37497, App
27	57	31.7	345	27	US-60-173-664-28442	Sequence 28442, App
28	57	31.7	345	27	US-60-191-637-37111	Sequence 37111, App
29	57	31.7	345	27	US-60-191-637-37111	Sequence 28918, App
30	57	31.7	388	25	US-10-155-881-18359	Sequence 18359, App
31	57	31.7	410	25	US-10-155-881-31432	Sequence 31432, App
32	57	31.7	410	27	US-60-312-544-7974	Sequence 7974, App
33	57	31.7	528	25	US-10-155-881-18358	Sequence 18358, App
34	57	31.7	530	1	PCT-US02-20152-358	Sequence 358, App
35	57	31.7	530	25	US-10-183-687-358	Sequence 358, App
36	56	31.1	102	1	PCT-US01-00663-28946	Sequence 28946, App
37	56	31.1	102	22	US-09-864-761-35901	Sequence 35901, App
38	56	31.1	102	25	US-10-882-993-28106	Sequence 28106, App
39	56	31.1	102	25	US-10-182-995-22373	Sequence 22373, App
40	56	31.1	102	25	US-10-182-997-21013	Sequence 21013, App
41	56	31.1	102	25	US-10-182-998-12657	Sequence 12657, App
42	56	31.1	102	26	US-10-203-134-28676	Sequence 28676, App
43	56	31.1	102	26	US-10-203-135-27598	Sequence 27598, App
44	56	31.1	102	26	US-10-203-136-28699	Sequence 28699, App
45	56	31.1	102	26	US-10-203-137-28946	Sequence 28946, App

ALIGNMENTS

RESULT 1
US-08-842-385-8
Sequence 8, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
TITLE OF INVENTION: COLPILTS, Tracey
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Porembski, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-8

Query Match 100.0%; Score 180; DB 12;
Best Local Similarity 100.0%; Pred. No. 7,6e-16;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SSSTPTGCGFSGKETPSEDPRSQRHMGES 35
DB 1 SF0SSSTPTGCGFSGKETPSEDPRSQRHMGES 35

RESULT 2
US-09-991-681-29
Sequence 29, Application US/09991681
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-991-681-29

Query Match 100.0%; Score 180; DB 23;
Best Local Similarity 100.0%; Pred. No. 7,6e-16;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SSSTPTGCGFSGKETPSEDPRSQRHMGES 35
DB 1 SF0SSSTPTGCGFSGKETPSEDPRSQRHMGES 35

RESULT 3
US-08-842-385-6
Sequence 6, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
COLPITTS, TRACEY
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Porembski, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-6

Query Match 100.0%; Score 180; DB 12;
Best Local Similarity 100.0%; Pred. No. 2e-14;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SSSTPTGCGFSGKETPSEDPRSQRHMGES 35
DB 232 SF0SSSTPTGCGFSGKETPSEDPRSQRHMGES 266

RESULT 4
US-09-991-681-27
Sequence 27, Application US/09991681
GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAPP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-991-681-27
Query Match 100.0%; Score 180; DB 23; Length 518;
Best Local Similarity 100.0%; Pred. No. 2,3e-14;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 SFOSESTPSTGTGFGSKETPSDDRSQSRHMGES 35
Db 283 SFOSESTPSTGTGFGSKETPSDDRSQSRHMGES 317
RESULT 5
US-10-144-198-44
Sequence 44, Application US/10144198
GENERAL INFORMATION:
APPLICANT: Origene Technologies Inc
TITLE OF INVENTION: Regulated Prostate Cancer Genes
FILE REFERENCE: 9U 105 RI
CURRENT APPLICATION NUMBER: US/10/144,198
CURRENT FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn version 3.0
SEQ ID NO 44
LENGTH: 1770
TYPE: PRT

ORGANISM: Homo sapiens
US-10-144-198-44
Query Match 100.0%; Score 180; DB 25; Length 1770;
Best Local Similarity 100.0%; Pred. No. 1.1e-13;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 SFOSESTPSTGTGFGSKETPSDDRSQSRHMGES 35
Db 1535 SFOSESTPSTGTGFGSKETPSDDRSQSRHMGES 1569
RESULT 6
PCT-US01-08631-40087
Sequence 40087, Application PC/TUS0108631
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-049
CURRENT APPLICATION NUMBER: PCT/US01/08631
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 40087
LENGTH: 1807
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (48)..(62)
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX.
OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39
LOCATION: (941)..(950)
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40087
Query Match 100.0%; Score 180; DB 1; Length 1807;
Best Local Similarity 100.0%; Pred. No. 1.1e-13;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 SFOSESTPSTGTGFGSKETPSDDRSQSRHMGES 35
Db 1572 SFOSESTPSTGTGFGSKETPSDDRSQSRHMGES 1606
RESULT 7
PCT-US01-42950-495
Sequence 495, Application PC/TUS0142950
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-096
CURRENT APPLICATION NUMBER: PCT/US01/42950
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 09/714,936
PRIOR FILING DATE: 2000-11-17
NUMBER OF SEQ ID NOS: 682
SOFTWARE: PatentIn version 3.0
SEQ ID NO 495
LENGTH: 1839
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US01-42950-495
Query Match 100.0%; Score 180; DB 1; Length 1839;
Best Local Similarity 100.0%; Pred. No. 1.1e-13;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESSTPSTGFGSGKETPSEDDRSQSRHMGES 35
DB 1604 SF0SESSTPSTGFGSGKETPSEDDRSQSRHMGES 1638

RESULT 8
PCT-US01-08631-40090
Sequence 40090, Application PC/TUS0108631
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-049
CURRENT APPLICATION NUMBER: PCT/US01/08631
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 40090
LENGTH: 1982
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (11)..(25)
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,
OTHER INFORMATION: accession number PF00523D, p-value=7.18de-10, raw score of 11.39
NAME/KEY: DOMAIN
LOCATION: (1065)..(1074)
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40090

Query Match 100.0%; Score 180; DB 1; Length 1982;
Best Local Similarity 100.0%; Pred. No. 1.2e-13;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESSTPSTGFGSGKETPSEDDRSQSRHMGES 35
DB 1686 SF0SESSTPSTGFGSGKETPSEDDRSQSRHMGES 1720

RESULT 9
US-10-144-198-30
Sequence 30, Application US/10144198
GENERAL INFORMATION:
APPLICANT: Origene Technologies Inc
TITLE OF INVENTION: Regulated Prostate Cancer Genes
FILE REFERENCE: 9U 105 R1
CURRENT APPLICATION NUMBER: US/10/144,198
CURRENT FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn version 3.0
SEQ ID NO 30
LENGTH: 2221
TYPE: PRT
ORGANISM: Homo sapiens
US-10-144-198-30

Query Match 100.0%; Score 180; DB 25; Length 2221;
Best Local Similarity 100.0%; Pred. No. 1.4e-13;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESSTPSTGFGSGKETPSEDDRSQSRHMGES 35
DB 1986 SF0SESSTPSTGFGSGKETPSEDDRSQSRHMGES 2020

RESULT 10
US-10-221-279-7783

Sequence 7783, Application US/10221279
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
FILE REFERENCE: 21272-046
CURRENT APPLICATION NUMBER: US/10/221,279
CURRENT FILING DATE: 2002-09-06
PRIOR APPLICATION NUMBER: 09/574,454
PRIOR FILING DATE: 2000-05-19
PRIOR APPLICATION NUMBER: 09/519,705
PRIOR FILING DATE: 2000-03-07
NUMBER OF SEQ ID NOS: 12360
SOFTWARE: Custom
SEQ ID NO 7783
LENGTH: 141
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(141)
OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-221-279-7783

Query Match 79.4%; Score 143; DB 26; Length 141;
Best Local Similarity 96.4%; Pred. No. 3e-10;
Matches 27; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 TPSTGFGSGKETPSEDDRSQSRHMGES 35
DB 54 TPSTGFGSGKETPSEDDRSQSRHMGES 81

RESULT 11
US-09-614-150-4746
Sequence 4746, Application US/09614150
GENERAL INFORMATION:
APPLICANT: Venter, J. Craig
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE
FILE REFERENCE: CL000728
CURRENT APPLICATION NUMBER: US/09/614,150
CURRENT FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/157,832
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: 60/160,191
PRIOR FILING DATE: 1999-10-19
PRIOR APPLICATION NUMBER: 60/161,932
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: 60/164,769
PRIOR FILING DATE: 1999-11-12
PRIOR APPLICATION NUMBER: 60/173,383
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 60/175,693
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/184,831
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/191,637
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4746
LENGTH: 1061
TYPE: PRT
ORGANISM: DROSOPHILA
US-09-614-150-4746

Query Match 33.9%; Score 61; DB 20; Length 1061;
Best Local Similarity 51.9%; Pred. No. 1.9e-02;
Matches 14; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY 4 SSSSTPSTGFGSGKETPSEDDRSQSR 30

Db 39 SKSRPSSAGVVIDTQSEEESSQSE 65

RESULT 12

US-60-167-217-4862
; Sequence 4862, Application US/60167217
; GENERAL INFORMATION:
; APPLICANT: Li, Peter W. D.
; TITLE OF INVENTION: ISOLATED DROSOPHILA PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING DROSOPHILA PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: C1000152
; CURRENT APPLICATION NUMBER: US/60/167,217
; CURRENT FILING DATE: 1999-11-24
; NUMBER OF SEQ ID NOS: 23195
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4862
; LENGTH: 1061
; TYPE: PRT
; ORGANISM: Drosophila
US-60-167-217-4862

Query Match 33.9%; Score 61; DB 27; Length 1061;
Best Local Similarity 51.9%; Pred. No. 1.9e+02;
Matches 14; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

Qy 4 SESSTPSTGFGSKETPSDDRSQRE 30
Db 39 SKSRPSSAGVVIDTQSEEESSQSE 65

RESULT 13

US-60-173-464-3932
; Sequence 3932, Application US/60173464
; GENERAL INFORMATION:
; APPLICANT: Li, Peter W. D.
; TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: C1000173
; CURRENT APPLICATION NUMBER: US/60/173,464
; CURRENT FILING DATE: 1999-12-29
; NUMBER OF SEQ ID NOS: 30269
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3932
; LENGTH: 1061
; TYPE: PRT
; ORGANISM: Drosophila
US-60-173-464-3932

Query Match 33.9%; Score 61; DB 27; Length 1061;
Best Local Similarity 51.9%; Pred. No. 1.9e+02;
Matches 14; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

Qy 4 SESSTPSTGFGSKETPSDDRSQRE 30
Db 39 SKSRPSSAGVVIDTQSEEESSQSE 65

RESULT 14

US-60-191-637-4764
; Sequence 4764, Application US/60191637
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; TITLE OF INVENTION: NUCLEIC ACID DETECTION KITS COMPRISING
; TITLE OF INVENTION: GENE SEQUENCES EXPRESSED FROM THE DROSOPHILA GENOME, AND
; FILE REFERENCE: C1000392
; CURRENT APPLICATION NUMBER: US/60/191,637
; CURRENT FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 42660
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 4764
; LENGTH: 1061
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-60-191-637-4764

Query Match 33.9%; Score 61; DB 27; Length 1061;
Best Local Similarity 51.9%; Pred. No. 1.9e+02;
Matches 14; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

Qy 4 SESSTPSTGFGSKETPSDDRSQRE 30
Db 39 SKSRPSSAGVVIDTQSEEESSQSE 65

RESULT 15

US-60-191-681-3762
; Sequence 3762, Application US/60191681
; GENERAL INFORMATION:
; APPLICANT: Li, Peter, W. D.
; TITLE OF INVENTION: ISOLATED DROSOPHILA PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING ISOLATED DROSOPHILA PROTEINS AND
; TITLE OF INVENTION: USES THEREOF.
; FILE REFERENCE: C1000390
; CURRENT APPLICATION NUMBER: US/60/191,681
; CURRENT FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 30973
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3762
; LENGTH: 1061
; TYPE: PRT
; ORGANISM: DROSOPHILA
US-60-191-681-3762

Query Match 33.9%; Score 61; DB 27; Length 1061;
Best Local Similarity 51.9%; Pred. No. 1.9e+02;
Matches 14; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

Qy 4 SESSTPSTGFGSKETPSDDRSQRE 30
Db 39 SKSRPSSAGVVIDTQSEEESSQSE 65

Search completed: July 18, 2003, 19:34:55
Job time : 37.9736 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:51 ; Search time 10.2489 Seconds
(without alignments)
902.695 Million cell updates/sec

Title: US-09-991-681-29

Perfect score: 180

Sequence: 1 SF0SSSTPTGCGFGKETPSEDDRSQSRHMGES 35

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1232328 seqs, 264332421 residues

Total number of hits satisfying chosen parameters: 1232328

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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14: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	180	100.0	1770	2 PCT-US03-01943-44	Sequence 44, Appl
2	180	100.0	1839	12 US-10-416-993-495	Sequence 495, App
3	180	100.0	1872	2 PCT-US03-04508-32	Sequence 32, Appl
4	180	100.0	1872	11 US-10-367-978-32	Sequence 32, Appl
5	180	100.0	2221	2 PCT-US03-01943-30	Sequence 30, Appl
6	58	32.2	73	2 PCT-US02-32727-4001	Sequence 4001, Ap
7	58	32.2	73	10 US-09-978-825-4001	Sequence 4001, Ap
8	58	32.2	73	12 US-10-057-498-4001	Sequence 4001, Ap
9	58	32.2	245	12 US-10-425-114-66127	Sequence 66127, A
10	58	32.2	514	12 US-10-437-963-119781	Sequence 119781, A
11	57.5	31.9	765	12 US-10-438-246-10453	Sequence 10453, A
12	57	31.7	230	12 US-10-438-246-30307	Sequence 30307, A
13	57	31.7	410	12 US-10-425-114-40793	Sequence 40793, A
14	57	31.7	557	12 US-10-424-599-213367	Sequence 213367, A
15	57	31.7	557	12 US-10-438-246-30232	Sequence 30232, A
16	56	31.1	102	12 US-10-203-138A-12965	Sequence 12965, A
17	56	31.1	1973	2 PCT-US03-01943-78	Sequence 78, Appl
18	56	31.1	2047	11 US-10-370-480-28	Sequence 28, Appl
19	56	31.1	3863	2 PCT-US03-01943-51	Sequence 51, Appl

20	56	31.1	5596	13 US-60-479-073-296	Sequence 296, App
21	55.5	30.8	186	10 US-09-724-676-68746	Sequence 68746, A
22	55.5	30.8	186	10 US-09-724-676A-68746	Sequence 68746, A
23	55.5	30.8	260	10 US-09-724-676-68796	Sequence 68796, A
24	55.5	30.8	260	10 US-09-724-676A-68796	Sequence 68796, A
25	55.5	30.8	275	10 US-09-724-676-68745	Sequence 68745, A
26	55.5	30.8	275	10 US-09-724-676A-68745	Sequence 68745, A
27	55.5	30.8	317	10 US-09-724-676-68785	Sequence 68785, A
28	55.5	30.8	317	10 US-09-724-676A-68785	Sequence 68785, A
29	55.5	30.8	340	10 US-09-724-676-68774	Sequence 68774, A
30	55.5	30.8	340	10 US-09-724-676A-68774	Sequence 68774, A
31	55.5	30.8	366	10 US-09-724-676-68759	Sequence 68759, A
32	55.5	30.8	366	10 US-09-724-676A-68759	Sequence 68759, A
33	55.5	30.8	366	10 US-09-724-676A-68784	Sequence 68784, A
34	55.5	30.8	366	10 US-09-724-676-68784	Sequence 68784, A
35	55.5	30.8	388	10 US-09-724-676-68758	Sequence 68758, A
36	55.5	30.8	388	10 US-09-724-676A-68758	Sequence 68758, A
37	55.5	30.8	388	10 US-09-724-676A-68783	Sequence 68783, A
38	55.5	30.8	388	10 US-09-724-676A-68783	Sequence 68783, A
39	55.5	30.8	398	10 US-09-724-676-68762	Sequence 68762, A
40	55.5	30.8	398	10 US-09-724-676A-68762	Sequence 68762, A
41	55.5	30.8	398	10 US-09-724-676A-68788	Sequence 68788, A
42	55.5	30.8	398	10 US-09-724-676-68788	Sequence 68788, A
43	55.5	30.8	416	10 US-09-724-676-68767	Sequence 68767, A
44	55.5	30.8	416	10 US-09-724-676A-68767	Sequence 68767, A
45	55.5	30.8	416	10 US-09-724-676A-68767	Sequence 68767, A

ALIGNMENTS

RESULT 1
PCT-US03-01943-44
Sequence 44, Application PC/TUS0301943
GENERAL INFORMATION:
APPLICANT: ORIGINE TECHNOLOGIES INC
TITLE OF INVENTION: CANCER GENES
FILE REFERENCE: 3U 9U 901 PCT
CURRENT APPLICATION NUMBER: PCT/US03/01943
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US 10/054,935
PRIOR FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US 60/356,130
PRIOR FILING DATE: 2002-02-14
PRIOR APPLICATION NUMBER: US 10/102,946
PRIOR FILING DATE: 2002-03-22
PRIOR APPLICATION NUMBER: US 10/117,229
PRIOR FILING DATE: 2002-04-08
PRIOR APPLICATION NUMBER: US 10/144,198
PRIOR FILING DATE: 2002-05-14
PRIOR APPLICATION NUMBER: US 10/197,824
PRIOR FILING DATE: 2002-07-19
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 44
LENGTH: 1770
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US03-01943-44
Query Match 100.0%; Score 180; DB 2; Length 1770;
Best Local Similarity 100.0%; Pred. No. 3.7e-14;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 SF0SSSTPTGCGFGKETPSEDDRSQSRHMGES 35
DB 1535 SF0SSSTPTGCGFGKETPSEDDRSQSRHMGES 1569
RESULT 2
US-10-416-993-495
Sequence 495, Application US/10416993
GENERAL INFORMATION:

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/ APPLICANT: Hyseq, Inc
/ TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
/ FILE REFERENCE: 21272-096
/ CURRENT APPLICATION NUMBER: US/10/416,993
/ PRIOR FILING DATE: 2003-11-16
/ PRIOR APPLICATION NUMBER: 09/714,936
/ PRIOR FILING DATE: 2000-11-17
/ NUMBER OF SEQ ID NOS: 682
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 495
/ LENGTH: 1839
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-416-993-495

Query Match          100.0%; Score 180; DB 12; Length 1839;
Best Local Similarity 100.0%; Pred. No. 3.8e-14;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 SF0SESSTPSTGFGSGKETPSEDPRSQRHMGES 35

Db 1604 SF0SESSTPSTGFGSGKETPSEDPRSQRHMGES 1638

RESULT 3

PCT-US03-04508-32

/ Sequence 32, Application PC/TUS0304508

/ GENERAL INFORMATION:

/ APPLICANT: IDEC PHARMACEUTICALS

/ APPLICANT: GATELY, DENNIS

/ TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN

/ FILE REFERENCE: 037003/0301985

/ CURRENT APPLICATION NUMBER: PCT/US03/04508

/ PRIOR FILING DATE: 2003-02-19

/ PRIOR APPLICATION NUMBER: 60/357,140

/ PRIOR FILING DATE: 2002-02-19

/ PRIOR APPLICATION NUMBER: 60/396,082

/ PRIOR FILING DATE: 2002-07-17

/ PRIOR APPLICATION NUMBER: 60/386,759

/ PRIOR FILING DATE: 2002-06-10

/ NUMBER OF SEQ ID NOS: 93

/ SOFTWARE: PatentIn Ver. 2.1

/ SEQ ID NO 32

/ LENGTH: 1872

/ TYPE: PRT

/ ORGANISM: Homo sapiens

PCT-US03-04508-32

Query Match 100.0%; Score 180; DB 2; Length 1872;

Best Local Similarity 100.0%; Pred. No. 3.9e-14;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESSTPSTGFGSGKETPSEDPRSQRHMGES 35

Db 1637 SF0SESSTPSTGFGSGKETPSEDPRSQRHMGES 1671

RESULT 4

US-10-367-978-32

/ Sequence 32, Application US/10367978

/ GENERAL INFORMATION:

/ APPLICANT: GATELY, DENNIS

/ TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN

/ FILE REFERENCE: 037003-0301988

/ CURRENT APPLICATION NUMBER: US/10/367,978

/ PRIOR FILING DATE: 2003-02-19

/ PRIOR APPLICATION NUMBER: 60/357,140

/ PRIOR FILING DATE: 2002-02-19

/ PRIOR APPLICATION NUMBER: 60/396,082

/ PRIOR FILING DATE: 2002-07-17

/ PRIOR APPLICATION NUMBER: 60/386,759

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/ PRIOR FILING DATE: 2002-06-10
/ NUMBER OF SEQ ID NOS: 89
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 32
/ LENGTH: 1872
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-367-978-32

Query Match          100.0%; Score 180; DB 11; Length 1872;
Best Local Similarity 100.0%; Pred. No. 3.9e-14;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 SF0SESSTPSTGFGSGKETPSEDPRSQRHMGES 35

Db 1637 SF0SESSTPSTGFGSGKETPSEDPRSQRHMGES 1671

RESULT 5

PCT-US03-01943-30

/ Sequence 30, Application PC/TUS0301943

/ GENERAL INFORMATION:

/ APPLICANT: ORIGENE TECHNOLOGIES INC

/ FILE REFERENCE: 3U 90 901 PCT

/ CURRENT APPLICATION NUMBER: PCT/US03/01943

/ PRIOR FILING DATE: 2002-01-25

/ PRIOR APPLICATION NUMBER: US 10/054,935

/ PRIOR FILING DATE: 2002-01-25

/ PRIOR APPLICATION NUMBER: US 60/356,130

/ PRIOR FILING DATE: 2002-02-14

/ PRIOR APPLICATION NUMBER: US 10/102,946

/ PRIOR FILING DATE: 2002-03-22

/ PRIOR APPLICATION NUMBER: US 10/117,229

/ PRIOR FILING DATE: 2002-04-08

/ PRIOR APPLICATION NUMBER: US 10/144,198

/ PRIOR FILING DATE: 2002-05-14

/ PRIOR APPLICATION NUMBER: US 10/197,824

/ PRIOR FILING DATE: 2002-07-19

/ NUMBER OF SEQ ID NOS: 102

/ SOFTWARE: PatentIn version 3.1

/ SEQ ID NO 30

/ LENGTH: 2221

/ TYPE: PRT

/ ORGANISM: Homo sapiens

PCT-US03-01943-30

Query Match 100.0%; Score 180; DB 2; Length 2221;

Best Local Similarity 100.0%; Pred. No. 4.6e-14;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SF0SESSTPSTGFGSGKETPSEDPRSQRHMGES 35

Db 1986 SF0SESSTPSTGFGSGKETPSEDPRSQRHMGES 2020

RESULT 6

PCT-US02-32727-4001

/ Sequence 4001, Application PC/TUS0232727

/ GENERAL INFORMATION:

/ APPLICANT: Mitcham, Jennifer

/ APPLICANT: Skelky, Yaelir

/ APPLICANT: Persing, David

/ APPLICANT: Bhatia, Ajay

/ APPLICANT: Maisonneuve, Jean Francois

/ APPLICANT: Zhang, Yanni

/ APPLICANT: Wang, Siqing

/ APPLICANT: Jen, Shyian

/ APPLICANT: Lodes, Michael

/ APPLICANT: Benson, Darin

/ APPLICANT: Jones, Robert

/ APPLICANT: Carter, Dartrick

/ APPLICANT: Bath, Brenda

```

; APPLICANT: Douglaes,John
; TITLE OF INVENTION: Compositions and Methods for the Therapy and Diagnosis of Acnes
; FILE REFERENCE: 210121.514C1
; CURRENT APPLICATION NUMBER: PCT/US02/32727
; CURRENT FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 30992
; SEQ ID NO 4001
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Propioni acnes
PCT-US02-32727-4001

Query Match      32.2% Score 58; DB 2; Length 73;
Best Local Similarity 34.3% Pred. No. 6.6;
Matches 12; Conservative 6; Mismatches 15; Indels 2; Gaps 1;

Oy      3 QSESSTPGSGKETPSPDDR--SQSREHNGES 35
      :|||:||||:||||:||||:
Db      12 KSEOSKPGAGVGQRRQDDDAKPGHGRDEVGEA 46

RESULT 8
US-10-057-498-4001
; Sequence 4001, Application US/10057498
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer
; APPLICANT: Skeiky, Yasir
; APPLICANT: Persing, David
; APPLICANT: Bhatia, Ajay
; APPLICANT: Maisonneuve, Jean Francois
; APPLICANT: Zhang, Yanni
; APPLICANT: Wang, Siqing
; APPLICANT: Jen, Shyian
; APPLICANT: Lodes, Michael
; APPLICANT: Benson, Darin
; APPLICANT: Jones, Robert
; APPLICANT: Carter, Derrick
; APPLICANT: Barth, Brenda
; APPLICANT: Douglaes,John
; TITLE OF INVENTION: Compositions and Methods for the Therapy and Diagnosis of Acnes
; FILE REFERENCE: 210121.514C1
; CURRENT APPLICATION NUMBER: US/09/978,825
; CURRENT FILING DATE: 2003-01-29
; NUMBER OF SEQ ID NOS: 30992
; SEQ ID NO 4001
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Propioni acnes
US-09-978-825-4001

Query Match      32.2% Score 58; DB 10; Length 73;
Best Local Similarity 34.3% Pred. No. 6.6;
Matches 12; Conservative 6; Mismatches 15; Indels 2; Gaps 1;

Oy      3 QSESSTPGSGKETPSPDDR--SQSREHNGES 35
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Db      12 KSEOSKPGAGVGQRRQDDDAKPGHGRDEVGEA 46

RESULT 8
US-10-057-498-4001
; Sequence 4001, Application US/10057498
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer
; APPLICANT: Skeiky, Yasir
; APPLICANT: Persing, David
; APPLICANT: Bhatia, Ajay
; APPLICANT: Maisonneuve, Jean Francois
; APPLICANT: Zhang, Yanni
; APPLICANT: Wang, Siqing
; APPLICANT: Jen, Shyian
; APPLICANT: Lodes, Michael
; APPLICANT: Benson, Darin
; APPLICANT: Jones, Robert
; APPLICANT: Carter, Derrick
; APPLICANT: Barth, Brenda
; APPLICANT: Douglaes,John
; TITLE OF INVENTION: Compositions and Methods for the Therapy and Diagnosis of Acnes
; FILE REFERENCE: 210121.514
; CURRENT APPLICATION NUMBER: US/10/057,498
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 29212
; SEQ ID NO 4001
; LENGTH: 73

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; TYPE: PRT
; ORGANISM: Propioni acnes
US-10-057-498-4001

Query Match          32.2%; Score 58; DB 12; Length 73;
Best Local Similarity 34.3%; Pred. No. 6;
Matches 12; Conservative 6; Mismatches 15; Indels 2; Gaps 1;

Oy      3 OSESSTPTGCGSKETPSEDDR--SQSREHMGES 35
       ||| | | | | : || | | | :
Db      12 KSEQSGAGVGEGRRQDDDAKPGHGRDEVGEA 46

RESULT 9
US-10-425-114-66127
; Sequence 66127, Application US/10425114
; GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(5321)B
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 66127
LENGTH: 245
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
OTHER INFORMATION: Clone ID: LIB4571-007-A8_FLI pep
US-10-425-114-66127

Query Match          32.2%; Score 58; DB 12; Length 245;
Best Local Similarity 34.3%; Pred. No. 24;
Matches 12; Conservative 9; Mismatches 14; Indels 0; Gaps 0;

Oy      1 SFQSSSTPTGTGFGSKETPSEDDRSQSREHMGES 35
       ||| | | | | | | | | | | | | | | |
Db      30 SWGSSNTNTVSGASDKEKKEDKIKGDSSGPS 64

RESULT 10
US-10-437-963-119781
; Sequence 119781, Application US/10437963
; GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(5321)B
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 119781
LENGTH: 514
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_22965C.1.pep
US-10-437-963-119781

Query Match          32.2%; Score 58; DB 12; Length 514;

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Best Local Similarity 32.6%; Pred. No. 53;
Matches 15; Conservative 5; Mismatches 14; Indels 12; Gaps 1;
QY 1 SFSSESTPTGTGSGKETPSE-----DDRSQREHMG 34
Db 49 SSGSEATPRASGVPCRTPESSGROGLREWLERRADREPTGE 94

RESULT 11
US-10-438-246-10453
; Sequence 10453, Application US/10438246
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Lutfiyya, Linda L.
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Transcription in Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53333)B
; CURRENT APPLICATION NUMBER: US/10/438,246
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 33516
; SEQ ID NO 10453
; LENGTH: 765
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: TF_ZmC31816_8.pep
US-10-438-246-10453

Query Match 31.9%; Score 57.5; DB 12; Length 765;
Best Local Similarity 36.4%; Pred. No. 93;
Matches 12; Conservative 8; Mismatches 10; Indels 3; Gaps 1;

QY 2 FQSESTPTGTGSGKETPSEDDRSQREHMG 34
Db 63 YETDSSPST---SGSTPTVTSKRHRKKFSE 92

RESULT 12
US-10-438-246-30307
; Sequence 30307, Application US/10438246
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Lutfiyya, Linda L.
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Transcription in Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53333)B
; CURRENT APPLICATION NUMBER: US/10/438,246
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 33516
; SEQ ID NO 30307
; LENGTH: 230
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: TF_GmC1595_2.pep
US-10-438-246-30307

Query Match 31.7%; Score 57; DB 12; Length 230;
Best Local Similarity 46.2%; Pred. No. 30;
Matches 12; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

QY 6 SSTPTGSGKETPSEDDRSQREH 31
Db 153 NSTLPIGLSGKNKNTDSASESKSH 178

RESULT 13
US-10-425-114-40793
; Sequence 40793, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53333)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 40793
; LENGTH: 410
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3029-010-B7_FLI.pep
US-10-425-114-40793

Query Match 31.7%; Score 57; DB 12; Length 410;
Best Local Similarity 46.2%; Pred. No. 56;
Matches 12; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

QY 6 SSTPTGSGKETPSEDDRSQREH 31
Db 200 NSTLPIGLSGKNKNTDSASESKSH 225

RESULT 14
US-10-424-599-213367
; Sequence 213367, Application US/10424599
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 213367
; LENGTH: 557
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(557)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_34695C.1.pep
US-10-424-599-213367

Query Match 31.7%; Score 57; DB 12; Length 557;

Best Local Similarity 46.2%; Pred. No. 77;
Matches 12; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

QY 6 SSTPTGSGKETPSEDDRSQREH 31
Db 347 NSTLPIGLSGKNKNTDSASESKSH 372

RESULT 15
US-10-438-246-30232
; Sequence 30232, Application US/10438246
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Lutfiyya, Linda L.
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Transcription in Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53333)B
; CURRENT APPLICATION NUMBER: US/10/438,246
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 33516
; SEQ ID NO 30232
; LENGTH: 557
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(557)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: TF_GmC1595_1.pep
US-10-438-246-30232

Query Match 31.7%; Score 57; DB 12; Length 557;
Best Local Similarity 46.2%; Pred. No. 77;
Matches 12; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

QY 6 SSTPSTGSGFGKTPSEDDRSOSREH 31
DB 347 NSTLPITGLSGKKNKSTDSASSESKSH 372

Search completed: July 18, 2003, 19:39:52
Job time : 10.2489 secs

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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:46 ; Search time 3.9019 Seconds
(without alignments)
309.167 Million cell updates/sec

Title: US-09-991-681-28

Perfect score: 216
Sequence: 1 EDDERSTDSQCCSEDEDEI.....ETTAQVSPPRGKRRMPAR 41

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/prodata/1/1aa/5B_COMB.pep:*
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6: /cgn2_6/prodata/1/1aa/5B_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	216	100.0	41	US-09-065-383-28	Sequence 28, Appl
2	216	100.0	518	US-09-065-383-27	Sequence 27, Appl
3	63	29.2	714	US-08-990-114-3	Sequence 3, Appl
4	63	29.2	714	US-09-241-333-3	Sequence 3, Appl
5	57	26.4	667	US-09-303-064-55	Sequence 55, Appl
6	57	26.4	667	US-09-086-503-55	Sequence 55, Appl
7	56	25.9	421	US-08-132-649-6	Sequence 6, Appl
8	56	25.9	421	US-08-132-649-6	Sequence 6, Appl
9	56	25.9	421	US-08-132-649-6	Sequence 6, Appl
10	55.5	25.7	522	US-09-232-160-23	Sequence 23, Appl
11	55.5	25.7	522	US-08-630-915A-196	Sequence 196, Appl
12	55	25.5	411	US-08-741-134-6	Sequence 6, Appl
13	54	25.0	226	US-08-431-080-26	Sequence 26, Appl
14	54	25.0	226	US-08-431-080-26	Sequence 26, Appl
15	54	25.0	226	US-08-431-080-26	Sequence 26, Appl
16	54	25.0	1085	US-08-431-080-28	Sequence 28, Appl
17	54	25.0	1085	US-08-431-080-28	Sequence 28, Appl
18	54	25.0	1085	US-08-431-080-28	Sequence 28, Appl
19	54	25.0	1085	US-08-431-080-28	Sequence 28, Appl
20	54	25.0	1085	US-08-431-080-28	Sequence 28, Appl
21	52.5	24.3	193	US-08-779-765-3	Sequence 3, Appl
22	52.5	24.3	193	US-08-779-765-3	Sequence 3, Appl
23	52.5	24.3	193	US-08-779-765-3	Sequence 3, Appl
24	52.5	24.3	193	US-08-779-765-3	Sequence 3, Appl
25	51.5	23.8	611	US-09-370-807-2	Sequence 2, Appl
26	51.5	23.8	611	US-09-370-807-2	Sequence 2, Appl
27	51.5	23.8	611	US-09-370-807-2	Sequence 2, Appl

28	51	23.6	262	4	US-09-134-001C-3237	Sequence 3237, Appl
29	50.5	23.4	392	3	US-08-301-162-2	Sequence 2, Appl
30	50.5	23.4	392	4	US-09-461-240-2	Sequence 2, Appl
31	50.5	23.4	392	4	US-09-968-927-2	Sequence 2, Appl
32	50.5	23.4	426	1	US-08-615-170-6	Sequence 6, Appl
33	50.5	23.4	426	1	US-08-615-170-15	Sequence 15, Appl
34	50.5	23.4	428	3	US-08-301-162-18	Sequence 18, Appl
35	50.5	23.4	428	3	US-09-461-240-18	Sequence 18, Appl
36	50.5	23.4	428	4	US-09-968-927-18	Sequence 18, Appl
37	50.5	23.4	816	4	US-08-190-802A-54	Sequence 54, Appl
38	50.5	23.4	816	4	US-08-477-346-54	Sequence 54, Appl
39	50.5	23.4	816	4	US-08-477-346-54	Sequence 54, Appl
40	50.5	23.4	816	4	US-08-477-346-54	Sequence 54, Appl
41	50	23.1	172	3	US-09-382-080-3	Sequence 3, Appl
42	50	23.1	172	3	US-08-859-937-3	Sequence 3, Appl
43	50	23.1	182	1	US-08-466-603-5	Sequence 5, Appl
44	50	23.1	182	1	US-08-314-503A-5	Sequence 5, Appl
45	50	23.1	182	1	US-08-466-066-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-09-065-383-28
Sequence 28, Application US/09065383
Patent No. 6391543
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE PROSTATE
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESSER: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065.383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842.385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids

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;      TYPE: amino acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;      MOLECULE TYPE: NO. 6391543e
US-09-065-383-28

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Query Match	100.0%	Score 216	DB 4	length 41
Best Local Similarity	100.0%	Pred. No. 5	3e-22	
Matches 41	Conservative 0	Mismatches 0	Indels 0	Gaps 0

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QY      1 EDDERSTDDSSQQCCSSEDEDIFEETAQVSPPRGKEKRWRRAR 41
        |||||
Dbb     1 EDDERSTDDSSQQCCSSEDEDIFEETAQVSPPRGKEKRWRRAR 41

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RESULT 2
US-09-065-383-27
Sequence 37 Analysis: US/09065383

1 APPLICANT: BILLING-MEDEL, PATRICIA
 2 APPLICANT: COHEN, MAURICE
 3 APPLICANT: COLPITTS, TRACEY L.
 4 APPLICANT: FRIEDMAN, PAULA N.
 5 APPLICANT: GORDON, JULIAN
 6 APPLICANT: GRANADOS, EDWARD N.
 7 APPLICANT: HODGES, STEVEN C.
 8 APPLICANT: KLASS, MICHAEL R.
 9 APPLICANT: KRATOCHVIL, JON D.
 10 APPLICANT: ROBERTS-RAPP, LISA
 11 APPLICANT: RUSSELL, JOHN C.
 12 APPLICANT: STROPE, STEPHEN D.
 13 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
 14 FOR DETECTING DISEASES OF THE PROSTATE
 15 NUMBER OF SEQUENCES: 33
 16 CORRESPONDENCE ADDRESS:

```

COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065.383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: NO. 6391543e
US-09-065-383-27

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Query Match	Score	DB	Length
100.0%;	216;	4;	518;
Best Local Similarity	100.0%;	Pred. No. 9.5e-21;	

	Matches	41;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0.
QY	1	EDDERSTDSQQCSSEDEDI	FEETPAQVSPPRGKEKRWRRAR	41						
Db	184	EDDERSTDSQQCSSEDEDI	FEETPAQVSPPRGKEKRWRRAR	224						

RESULT 3
US-08-990-114-3
; Sequence 3, Application US/08990114
Reference No. 100047

GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Yue, Henry
APPLICANT: Corley, Neil C.
APPLICANT: Shah, Purni
TITLE OF INVENTION: HUMAN NUCLEOLIN-LIKE PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA

```
?
?      COMPUTER READABLE FORM:
?      MEDIUM TYPE: Diskette
?      COMPUTER: IBM Compatible
?      OPERATING SYSTEM: DOS
?      SOFTWARE: FASTSO for Windows Version 2.0
?      CURRENT APPLICATION DATA:
?      APPLICATION NUMBER: US/06/990,114
?      FILING DATE: Herewith
?      CLASSIFICATION:
?      PRIOR APPLICATION DATA:
?      APPLICATION NUMBER:
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ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0451 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:

? INFORMATION FOR SEQ ID NO: 3
?
? SEQUENCE CHARACTERISTICS:
?
? LENGTH: 714 amino acids
?
? TYPE: amino acid
?
? STRANDEDNESS: single
?
? TOPOLOGY: linear
?
? IMMEDIATE SOURCE:
? LIBRARY: Genbank
?
? CLONE: 128842
?
? US-08-990-114-3

US-08-990-114-3

Query Match	29.2%	Score 63	DB 2	Length 714
Best Local Similarity	32.4%	Pred. No. 2.2		
Matches 12	Conservative 8	Mismatches 17	Indels 0	Gaps 0

QY 1 EDDERSTDSQQCSSEDEDTFEETAOVSPPGKEXRQ 37
||::||::||| |||::
D6 248 EDEDEEDEDDEEEDEEEEEEVEPKPAQRKKKE 284

RESULT 4
US-09-241-333-3
; Sequence 3, Application US/09241333

GENERAL INFORMATION:

APPLICANT: Bandman, Olga

APPLICANT: Yue, Henry

APPLICANT: Corley, Neil C.

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/132,649
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 15280-145-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 421 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-132-649-6

Query Match 25.9%; Score 56; DB 1; Length 421;
Best Local Similarity 34.2%; Pred. No. 10;
Matches 13; Conservative 7; Mismatches 12; Indels 6; Gaps 1;

QY 1 EDDERSTDSSQCCSSSEDEDI-----FEETAQVSPRG 32
DB 298 EDHEDQDTGEGDTEEBEELTEENKFSVVALPSPRG 335

RESULT 8
US-08-767-579-6
Sequence 6, Application US/08767579
Patent No. 6074842
GENERAL INFORMATION:
APPLICANT: London, Constantine
APPLICANT: Greenberg, Andrew S.
APPLICANT: Kimmel, Alan R.
APPLICANT: Egan, John J.
TITLE OF INVENTION: CLONING OF PERILIPIN PROTEINS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/767,579
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 15280-145-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 421 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-767-579-6

Query Match 25.9%; Score 56; DB 3; Length 421;
Best Local Similarity 34.2%; Pred. No. 10;
Matches 13; Conservative 7; Mismatches 12; Indels 6; Gaps 1;

QY 1 EDDERSTDSSQCCSSSEDEDI-----FEETAQVSPRG 32
DB 298 EDHEDQDTGEGDTEEBEELTEENKFSVVALPSPRG 335

RESULT 9
US-09-232-160-23
Sequence 23, Application US/09232160
Patent No. 6368794
GENERAL INFORMATION:
APPLICANT: Steve Daniel
APPLICANT: James Gilmore
APPLICANT: Susan G. Stuart
APPLICANT: Laura Stuve
TITLE OF INVENTION: DETECTION OF ALTERED EXPRESSION OF GENES REGULATING CELL
FILE REFERENCE: PA-0003 US
CURRENT APPLICATION NUMBER: US/09/232,160
CURRENT FILING DATE: 1999-01-15
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PERL Program
SEQ ID NO 23
LENGTH: 522
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: 3688209
US-09-232-160-23

Query Match 25.9%; Score 56; DB 4; Length 522;
Best Local Similarity 34.2%; Pred. No. 13;
Matches 13; Conservative 7; Mismatches 12; Indels 6; Gaps 1;

QY 1 EDDERSTDSSQCCSSSEDEDI-----FEETAQVSPRG 32
DB 293 EDHEDQDTGEGDTEEBEELTEENKFSVVALPSPRG 330

RESULT 10
US-08-615-170-16
Sequence 16, Application US/08615170
Patent No. 5776776
GENERAL INFORMATION:
APPLICANT: ORDAHL, Charles P.
APPLICANT: AZAKIE, Anthony
APPLICANT: MAR, Janet H.
APPLICANT: PARANCE, Iain K.G.
APPLICANT: HALL, Deborah E.
APPLICANT: STEWART, Alexandre F.R.
APPLICANT: LARKIN, Sarah B.
TITLE OF INVENTION: DTER-1 ISOFORMS AND USES THEREOF
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,170
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/01526
FILING DATE: 06-FEB-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/191,493
FILING DATE: 04-FEB-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Heelin, James M.
REGISTRATION NUMBER: 29,541
REFERENCE/DOCKET NUMBER: 2307U-053120
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 418 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-615-170-16

Query Match 25.7%; Score 55.5; DB 1; Length 418;
Best Local Similarity 31.8%; Pred. No. 12;
Matches 14; Conservative 6; Mismatches 15; Indels 9; Gaps 1;

QY 1 EDDERSTSSQCCSSED-----EDIFETTAQVSPRGKEX 35
DB 14 EDERSTSSQCCSSED-----EDIFETTAQVSPRGKEX 35

RESULT 11
US-08-630-915A-196
Sequence 196, Application US/08630915A
Patent No. 6309820

GENERAL INFORMATION:
APPLICANT: SPARKS, Andrew B.
APPLICANT: HOFFMAN, No. 6309820h
APPLICANT: KAY, Brian K.
APPLICANT: FOWLES, Dana M.
APPLICANT: MCCONNELL, Stephen J.
TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL
TITLE OF INVENTION: DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND
TITLE OF INVENTION: USING SAME
NUMBER OF SEQUENCES: 227
CORRESPONDENCE ADDRESS:
ADDRESSER: Penile & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,915A
FILING DATE: 03-Apr-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Mistock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-174
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 196:
SEQUENCE CHARACTERISTICS:
LENGTH: 180 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown

MOLECULE TYPE: peptide
US-08-630-915A-196

Query Match 25.5%; Score 55; DB 4; Length 180;
Best Local Similarity 28.2%; Pred. No. 5.2;
Matches 11; Conservative 10; Mismatches 18; Indels 0; Gaps 0;

QY 2 DDERSTSSQCCSSEDIFETTAQVSPRGKEXQWRA 40
DB 114 EDERSTSSQCCSSEDIFETTAQVSPRGKEXQWRA 40

RESULT 12
US-08-741-134-6
Sequence 6, Application US/08741134
Patent No. 5861498

GENERAL INFORMATION:
APPLICANT: Litwack, Gerald
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
TITLE OF INVENTION: IMMUNOPHILIN FKBP46 AND COMPOSITIONS FOR MAKING
TITLE OF INVENTION: METHODS OF USING THE SAME
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSER: Woodcock Washburn Kurtz Mackiewicz & No. 5861498xis
STREET: One Liberty Place - 46th floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Wordperfect for Windows 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/741,134
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/007,163
FILING DATE: 01-NOV-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TUJ-2090
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 411 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-741-134-6

Query Match 25.5%; Score 55; DB 2; Length 411;
Best Local Similarity 29.7%; Pred. No. 13;
Matches 11; Conservative 9; Mismatches 15; Indels 2; Gaps 1;

QY 1 EDDERSTSSQCCSSEDIFETTAQVSPRGKEXQ 37
DB 221 EDDERSTSSQCCSSEDIFETTAQVSPRGKEXQ 37

RESULT 13
US-08-431-080-26
Sequence 26, Application US/08431080
Patent No. 5698686
GENERAL INFORMATION:

APPLICANT: Gottschling, Daniel E.
APPLICANT: Singer, Miriam S.
TITLE OF INVENTION: Telomerase Compositions and Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: TEXAS
COUNTRY: UNITED STATES OF AMERICA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/431,080
FILING DATE: Concurrently Herewith
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: SN 08/326,781
FILING DATE: October 20, 1994
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: ARCD:155/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 226 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-431-080-26

Query Match 25.0%; Score 54; DB 1; Length 226;
Best Local Similarity 35.7%; Pred. No. 9.1;
Matches 15; Conservative 8; Mismatches 11; Indels 8; Gaps 2;
Qy 1 EDDERSTDSQCCSEDE--DIFEETAVSPRGKEKROWRA 40
Db 146 DDDGSDSDSDSETSDDENIDFVKLTQ-----RKKRAMKA 181

RESULT 14
US-08-938-534-26
Sequence 26, Application US/08938534
Patent No. 5916752
GENERAL INFORMATION:
APPLICANT: Gottschling, Daniel E.
APPLICANT: Singer, Miriam S.
TITLE OF INVENTION: Telomerase Compositions and Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: TEXAS
COUNTRY: UNITED STATES OF AMERICA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,534
FILING DATE: 26-SEP-1997

CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/431,080
FILING DATE:
APPLICATION NUMBER: SN 08/326,781
FILING DATE: October 20, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: ARCD:155/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 226 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-938-534-26

Query Match 25.0%; Score 54; DB 2; Length 226;
Best Local Similarity 35.7%; Pred. No. 9.1;
Matches 15; Conservative 8; Mismatches 11; Indels 8; Gaps 2;
Qy 1 EDDERSTDSQCCSEDE--DIFEETAVSPRGKEKROWRA 40
Db 146 DDDGSDSDSDSETSDDENIDFVKLTQ-----RKKRAMKA 181

RESULT 15
US-09-345-294-26
Sequence 26, Application US/09345294
Patent No. 6387619
GENERAL INFORMATION:
APPLICANT: Gottschling, Daniel E.
APPLICANT: Singer, Miriam S.
TITLE OF INVENTION: Telomerase Compositions and Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: TEXAS
COUNTRY: UNITED STATES OF AMERICA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/345,294
FILING DATE: 30-Jun-1999
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/431,080
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: ARCD:155/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 226 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

;	SEQUENCE DESCRIPTION:	SEQ ID NO:	26:
US-09-345-294-26			

Query Match 25.0%; Score 54; DB 4; Length 226;
Best Local Similarity 35.7%; Pred. NO. 9.1;
Matches 15; Conservative 8; Mismatches 11; Indels 8; Gaps 2;

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GenCore version 5.1.6
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OM protein - protein search, using sw model

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Title: US-09-991-681-28

Perfect score: 216
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Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	63	29.2	714	10	US-09-978-242-3
2	62.5	28.9	376	15	US-10-156-761-9888
3	62	28.7	268	10	US-09-864-761-33475
4	60.5	28.0	512	15	US-10-151-736-4
5	59	27.3	957	10	US-09-801-574-80
6	58.5	27.1	566	9	US-09-989-862-41
7	58.5	27.1	566	10	US-09-989-722-41
8	58.5	27.1	566	10	US-09-989-723-41
9	58.5	27.1	566	10	US-09-989-727-41
10	58.5	27.1	566	10	US-09-989-729-41
11	58.5	27.1	566	10	US-09-989-727-41
12	58.5	27.1	566	11	US-09-989-731-41
13	58.5	27.1	566	11	US-09-989-732-41
14	58.5	27.1	566	11	US-09-991-073-41
15	58.5	27.1	566	11	US-09-990-442-41
16	58.5	27.1	566	11	US-09-991-163-41

17	58.5	27.1	566	11	US-09-993-604-41	Sequence 41, Appl
18	58.5	27.1	566	11	US-09-990-456-41	Sequence 41, Appl
19	58.5	27.1	566	11	US-09-989-721-41	Sequence 41, Appl
20	58.5	27.1	566	11	US-09-992-598-41	Sequence 41, Appl
21	58.5	27.1	566	11	US-09-989-293A-41	Sequence 41, Appl
22	58.5	27.1	566	11	US-09-989-735-41	Sequence 41, Appl
23	58.5	27.1	566	11	US-09-990-444-41	Sequence 41, Appl
24	58.5	27.1	566	11	US-09-991-181-41	Sequence 41, Appl
25	58.5	27.1	566	11	US-09-989-730-41	Sequence 41, Appl
26	58.5	27.1	566	11	US-09-990-436-41	Sequence 41, Appl
27	58.5	27.1	566	11	US-09-993-687-41	Sequence 41, Appl
28	58.5	27.1	566	12	US-09-989-734-41	Sequence 41, Appl
29	58.5	27.1	566	12	US-09-997-653-41	Sequence 41, Appl
30	58.5	27.1	566	12	US-09-993-667-41	Sequence 41, Appl
31	58.5	27.1	566	12	US-09-997-428-41	Sequence 41, Appl
32	58.5	27.1	566	12	US-09-997-666-41	Sequence 41, Appl
33	58.5	27.1	566	12	US-09-990-438-41	Sequence 41, Appl
34	58.5	27.1	566	12	US-09-990-562-41	Sequence 41, Appl
35	58.5	27.1	566	12	US-09-990-711-41	Sequence 41, Appl
36	58.5	27.1	566	12	US-09-989-726-41	Sequence 41, Appl
37	58.5	27.1	566	12	US-09-998-156-41	Sequence 41, Appl
38	58.5	27.1	566	12	US-09-990-437-41	Sequence 41, Appl
39	58.5	27.1	566	12	US-09-991-157-41	Sequence 41, Appl
40	58.5	27.1	566	12	US-09-997-573-41	Sequence 41, Appl
41	58.5	27.1	566	12	US-09-997-573-41	Sequence 41, Appl
42	58.5	27.1	566	12	US-09-991-172-41	Sequence 41, Appl
43	58.5	27.1	566	12	US-09-990-726-41	Sequence 41, Appl
44	58.5	27.1	566	12	US-09-997-559-41	Sequence 41, Appl
45	58.5	27.1	566	12	US-09-997-601-41	Sequence 41, Appl

ALIGNMENTS

RESULT 1
US-09-978-242-3
; Sequence 3, Application US/09978242
; Patent No. US20020098566A1
; GENERAL INFORMATION:
APPLICANT: Bandman, Olga

Yve, Henry
Corley, Neil C.
Shah, Purvi
TITLE OF INVENTION: HUMAN NUCLEOLIN-LIKE PROTEIN
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSER: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PasteSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/978,242
FILING DATE: 15-Oct-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/241,333
FILING DATE: <Unknown>

APPLICATION NUMBER: 08/990,114
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0451 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166

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PRIORITY FILLING DATE: 2000-02-04
PRIORITY APPLICATION NUMBER: US 60/207,456
PRIORITY FILLING DATE: 2000-05-26
PRIORITY APPLICATION NUMBER: US 09/632,366
PRIORITY FILLING DATE: 2000-08-03
PRIORITY APPLICATION NUMBER: GB 24263.6
PRIORITY FILLING DATE: 2000-10-04
PRIORITY APPLICATION NUMBER: US 60/236,359
PRIORITY FILLING DATE: 2000-09-27
PRIORITY APPLICATION NUMBER: PCT/US01/00666
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00667
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00664
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00669
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00665
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00668
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00663
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00662
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00661
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00670
PRIORITY FILLING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: US 60/234,667
PRIORITY FILLING DATE: 2000-09-21
PRIORITY APPLICATION NUMBER: US 09/608,408
PRIORITY FILLING DATE: 2000-06-30
PRIORITY APPLICATION NUMBER: US 09/774,203
PRIORITY FILLING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
SEQ ID NO 33475
LENGTH: 268
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AF118808.1
OTHER INFORMATION: EXPRESSED IN PITAL LIVER, SIGNAL = 1.2
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.87
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.1
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.4
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.94
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 6.3
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.74
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 4.1
OTHER INFORMATION: EST HUMAN HIT: BE295973.1, EVALUE 5.00e-83
OTHER INFORMATION: SWISSPROT HIT: P49910, EVALUE 7.00e-38
US-09-864-761-33475

Query Match 28.7%; Score 62; DB 10; Length 268;
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Matches 14; Conservative 6; Mismatches 10; Indels 2; Gaps 1;

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Db 17 SQRAXSEDHVRNIFKTEEMSKTEGKLENCMR 48

RESULT 4
US-10-151-736-4
Sequence 4, Application US/10151736
Publication NO. US20020192160A1
GENERAL INFORMATION:
APPLICANT: Callaghan, Michelle J.
Sutherland, Lindfield

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; APPLICANT: Watts, Colin K.
; TITLE OF INVENTION: No. US20020192160A1e1 Human Tumour Suppressor Gene
; FILE REFERENCE: RICE-010CON
; CURRENT APPLICATION NUMBER: US/10/151,736
; PRIOR FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: 09/403,402
; PRIOR FILING DATE: 1999-10-21
; PRIOR APPLICATION NUMBER: PCT/AU98/00280
; PRIOR FILING DATE: 1998-04-20
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 4
; LENGTH: 2799
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-151-736-4

Query Match      28.7%; Score 62; DB 15; Length 2799;
Best Local Similarity 29.8%; Pred. No. 89;
Matches 17; Conservative 6; Mismatches 18; Indels 16; Gaps 2;

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Db      1663 EDDSGSNDSDDSSSSSQSDIEQETFMDEPLEERTTSSHANGAAQAPRSMQWAVR 1719

RESULT 5
US-10-121-988-156
; Sequence 156, Application US/10121988
; Publication No. US20030068327A1
; GENERAL INFORMATION:
; APPLICANT: Hosken, Nancy Ann
; APPLICANT: McGowan, Patrick
; APPLICANT: Sleath, Paul R.
; APPLICANT: Moseman, Sally P.
; APPLICANT: Evans, Lawrence S.
; APPLICANT: Swanson, Ryan M.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
; FILE REFERENCE: 210121.538c1
; CURRENT APPLICATION NUMBER: US/10/121,988
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 156
; LENGTH: 512
; TYPE: PRT
; ORGANISM: HSV2
US-10-121-988-156

Query Match      28.0%; Score 60.5; DB 15; Length 512;
Best Local Similarity 34.1%; Pred. No. 23;
Matches 14; Conservative 7; Mismatches 13; Indels 7; Gaps 1;

Qy      3 DERSTDSQCCSSEDEDIFE-----ETAAQVSPRGKRW 36
Db      34 DDEPSDSSGECSSDEDMEDPCGDGAFAIDAIAPGPPAR 74

RESULT 6
US-09-801-574-80
; Sequence 80, Application US/09801574
; Patent No. US20020081592A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Peijng Jeremy
; APPLICANT: Page, David C.
; TITLE OF INVENTION: Reproduction-Specific Genes
; FILE REFERENCE: 0399.2007-002
; CURRENT APPLICATION NUMBER: US/09/801,574
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: 60/187,518
; PRIOR FILING DATE: 2000-03-07
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; PRIOR APPLICATION NUMBER: 60/261,557
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 80
; LENGTH: 957
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-801-574-80

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Matches 12; Conservative 7; Mismatches 19; Indels 0; Gaps 0;

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RESULT 7
US-09-989-862-41
; Sequence 41, Application US/09989862
; Publication No. US20030130182A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlesen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, V. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C58
; CURRENT APPLICATION NUMBER: US/09/989,862
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
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;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09
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Best Local Similarity 29.8%; Pred. No. 44;
Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;
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Db 139 EDEHSNDSDGSEPESEKRTREELIVEQTM-----RRQRREWEAR 180
RESULT 8
US-09-989-722-41
; Sequence 41, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Borstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerder, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kilevin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC63
; CURRENT APPLICATION NUMBER: US/09/989,722
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827

;; PRIOR FILING DATE: 1998-06-03
;; PRIOR APPLICATION NUMBER: 60/088021
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088025
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088026
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088028
;; PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-07-09

Query Match 27.1%; Score 58.5; DB 10; Length 566;
Best Local Similarity 29.8%; Pred. No. 44;
Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;

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RESULT 9
US-09-989-723-41
Sequence 41, Application US/09989723
Patent No. US20020072092A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC62
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
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Sequence 41, Application US/09989279
Patent No. US20020072496A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
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APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P27301C56
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Query Match      27.1%; Score 58.5; DB 10; Length 566;
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; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
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APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C65
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Query Match 27.1%; Score 58.5; DB 10; Length 566;
Best Local Similarity 29.8%; Pred. No. 44;
Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;

QY 1 EDDERS-----TDSGQCCSSEDEDFEETAGVSPRCKEKQWRAR 41

DB 139 EDEHSGNDSDGSEPEKRTLRLEETIVEQTM-----RRORREWEAR 180

RESULT 12
US-09-989-731-41
Sequence 41, Application US/09989731
Patent No. US20020103125A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferreira, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Garber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C70
CURRENT APPLICATION NUMBER: US/09/989,731
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
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Query Match 27.1%; Score 58.5; DB 11; Length 566;
Best Local Similarity 29.8%; Pred. No. 44;
Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;

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DB 139 EDEHSGNDSDGSEPESEKRTREELVEQTM-----RRORREWEAR 180

RESULT 13
US-09-989-732-41
Sequence 41, Application US/09989732
Patent No. US20020123463A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC57
CURRENT APPLICATION NUMBER: US/09/989,732
CURRENT FILING DATE: 2001-11-19
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 27.1%; Score 58.5; DB 11; Length 566;
Best Local Similarity 29.8%; Pred. No. 44;
Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;

QY 1 EDDERS-----TDSOCCSEDEDIFETTAQVSPRGKRWPAR 41
Db 139 EDEHSGNDSGSESEKTRLEETVECTM-----RRORREWEAR 180

RESULT 14
US-09-991-073-41
Sequence 41, Application US/09991073
Patent No. US20020127576A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
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APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
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APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C15
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CURRENT FILING DATE: 2001-11-14
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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 27.1%; Score 58.5; DB 11; Length 566;
Best Local Similarity 29.8%; Pred. No. 44;
Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;

Qy 1 EDDERS-----TDSQCSCSEDEDFEETAGVSPPRGKEKQWRAR 41
Db 139 EDEHSGNDSGSEPEKRTLEEEVEQTM-----RRRGREWEAR 180

RESULT 15

US-09-990-442-41
Sequence 41, Application US/09990442
Patent No. US2002013252A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PLC8
CURRENT APPLICATION NUMBER: US/09/990,442
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
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PRIOR APPLICATION NUMBER: 60/075945
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 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091978
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/091982
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/092182
 PRIOR FILING DATE: 1998-07-09

Query Match 27.1%; Score 58.5; DB 11; Length 566;
 Best Local Similarity 29.8%; Pred. No. 44;
 Matches 14; Conservative 13; Mismatches 9; Indels 11; Gaps 2;
 Qy 1 EDDERS-----TDSQCCSSEDEDIFFETAVSPPRGKEXQWRAR 41
 Db 139 EDEHSNDSDGSEPSKRTLRLEIEIVQTM-----RRRORREWEAR 180

Search completed: July 18, 2003, 19:36:23
 Job time : 7.9224 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:46 ; Search time 42.1406 Seconds

(without alignments)
627.283 Million cell updates/sec

Title: US-09-991-681-28

Perfect score: 216

Sequence: 1 EDDERSTDSQCCSEDEDI.....ETAAVSPRRKKRQWRAR 41

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 64473110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents, AA Main:*

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2: /cgn2_6/ptodata/1/paa/US06_COMB.pep.*
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4: /cgn2_6/ptodata/1/paa/US08_COMB.pep.*
5: /cgn2_6/ptodata/1/paa/US081_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	216	100.0	41	12	US-08-842-385-7
2	216	100.0	41	23	US-09-991-681-28
3	216	100.0	467	12	US-08-842-385-6
4	216	100.0	518	23	US-09-991-681-27
5	216	100.0	1770	25	US-10-144-198-44
6	216	100.0	1807	1	PCT-US01-08631-40087

7	216	100.0	1839	1	PCT-US01-42950-495	Sequence 495, App
8	216	100.0	1982	1	PCT-US01-08631-40090	Sequence 40090, A
9	216	100.0	2221	25	US-10-144-198-30	Sequence 30, Appl
10	69	31.9	192	20	US-09-623-791-87	Sequence 87, Appl
11	69	31.9	192	20	US-09-623-791A-87	Sequence 87, Appl
12	65.5	30.3	496	27	US-09-389-987-2147	Sequence 2147, Ap
13	65.5	30.3	496	27	US-09-389-987-2147	Sequence 2147, Ap
14	65.5	30.3	522	27	US-09-340-187-528	Sequence 528, Ap
15	65.5	30.3	533	21	US-09-758-472-9466	Sequence 9466, Ap
16	65.5	30.3	533	26	US-10-235-926-9466	Sequence 9466, Ap
17	65.5	30.3	1585	1	PCT-US01-08631-36444	Sequence 36444, A
18	65.5	30.3	1585	1	PCT-US01-08631-41114	Sequence 41114, A
19	65.5	30.3	1598	1	PCT-US01-08631-36977	Sequence 36977, A
20	65.5	30.3	1598	1	PCT-US01-08631-40014	Sequence 40014, A
21	65.5	30.3	1647	1	PCT-US01-08631-34360	Sequence 34360, A
22	65	30.1	606	1	PCT-US02-03987-15575	Sequence 15575, A
23	65	30.1	606	24	US-10-032-885-7631	Sequence 7631, Ap
24	65	30.1	606	24	US-10-072-851-15575	Sequence 15575, A
25	65	30.1	606	27	US-09-259-128-5024	Sequence 5024, Ap
26	65	30.1	606	27	US-09-314-050-7631	Sequence 7631, Ap
27	65	30.1	607	25	US-10-179-131-6595	Sequence 6595, Ap
28	64	29.6	536	20	US-09-629-469A-11383	Sequence 11383, A
29	64	29.6	687	25	US-10-104-047-2651	Sequence 2651, Ap
30	64	29.6	706	19	US-09-538-092-957	Sequence 957, App
31	64	29.6	707	17	US-09-393-302-22	Sequence 22, Appl
32	64	29.6	707	21	US-09-791-537-27328	Sequence 27328, A
33	64	29.6	707	22	US-09-825-886-22	Sequence 22, Appl
34	64	29.6	712	21	US-09-791-537-29774	Sequence 29774, A
35	64	29.6	713	21	US-09-791-537-84308	Sequence 84308, A
36	63	29.2	290	16	US-09-248-796-18775	Sequence 18775, A
37	63	29.2	290	27	US-09-096-409-18775	Sequence 18775, A
38	63	29.2	679	21	US-09-791-537-126738	Sequence 126738, A
39	63	29.2	713	21	US-09-791-537-124706	Sequence 124706, A
40	63	29.2	714	21	US-09-791-537-29502	Sequence 29502, A
41	63	29.2	714	23	US-09-978-242-3	Sequence 3, Appl1
42	63	29.2	1418	25	US-10-179-131-9550	Sequence 9550, Ap
43	62.5	28.9	642	20	US-09-614-150-8331	Sequence 8331, Ap
44	62.5	28.9	642	27	US-09-167-217-8428	Sequence 8428, Ap
45	62.5	28.9	642	27	US-09-173-464-6748	Sequence 6748, Ap

ALIGNMENTS

RESULT 1
US-08-842-385-7
Sequence 7, Application US/08642385
GENERAL INFORMATION:
APPLICANT: Russell, John
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASE OF THE PROSTATE
TITLE OF INVENTION: FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Portembaki, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-7

Query Match 100.0%; Score 216; DB 12; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.8e-19;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 EDDERSTDSQCCSSEDEDFEETAOVSPPRGKEXRQWR 41

RESULT 2
US-09-991-681-28
Sequence 28, Application US/09991681
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-991-681-28

Query Match 100.0%; Score 216; DB 23; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.8e-19;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 EDDERSTDSQCCSSEDEDFEETAOVSPPRGKEXRQWR 41
DB 1 EDDERSTDSQCCSSEDEDFEETAOVSPPRGKEXRQWR 41

RESULT 3
US-08-842-385-6
Sequence 6, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
COLPITTS, TRACEY
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Portembaki, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 467 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-6

Query Match 100.0%; Score 216; DB 12; Length 467;
Best Local Similarity 100.0%; Pred. No. 3.9e-18;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 4
US-09-991-681-27
Sequence 27, Application US/09991681
GENERAL INFORMATION:

APPLICANT: BILLING-MEDLI, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAP, LISA
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-991-681-27
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Best Local Similarity 100.0%; Pred. No. 4.5e-18;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 184 EDDERSTDSQQCSSEDEDFEETAQVSPRGRKRWRRAR 224
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US-10-144-198-44
Sequence 44, Application US/10144198
GENERAL INFORMATION:
APPLICANT: Origene Technologies Inc
TITLE OF INVENTION: Regulated Prostate Cance Genes
FILE REFERENCE: 9U 105 R1
CURRENT APPLICATION NUMBER: US/10/144,198
CURRENT FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn version 3.0
SEQ ID NO 44
LENGTH: 1770
TYPE: PRT

ORGANISM: Homo sapiens
US-10-144-198-44
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Best Local Similarity 100.0%; Pred. No. 2.1e-17;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1436 EDDERSTDSQQCSSEDEDFEETAQVSPRGRKRWRRAR 1476
RESULT 6
PCT-US01-08631-40087
Sequence 40087, Application PC/TUS0108631
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-049
CURRENT APPLICATION NUMBER: PCT/US01/08631
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 40087
LENGTH: 1807
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (48)..(62)
OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX.
OTHER INFORMATION: accession number P00523D, P-value=7.18e-10, raw score of 11.39
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40087
Query Match 100.0%; Score 216; DB 1; Length 1807;
Best Local Similarity 100.0%; Pred. No. 2.2e-17;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 EDDERSTDSQQCSSEDEDFEETAQVSPRGRKRWRRAR 41
DB 1473 EDDERSTDSQQCSSEDEDFEETAQVSPRGRKRWRRAR 1513
RESULT 7
PCT-US01-42950-495
Sequence 495, Application PC/TUS0142950
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-096
CURRENT APPLICATION NUMBER: PCT/US01/42950
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 09/714,936
PRIOR FILING DATE: 2000-11-17
NUMBER OF SEQ ID NOS: 682
SOFTWARE: PatentIn version 3.0
SEQ ID NO 495
LENGTH: 1839
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US01-42950-495
Query Match 100.0%; Score 216; DB 1; Length 1839;
Best Local Similarity 100.0%; Pred. No. 2.2e-17;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


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; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465P2
; CURRENT APPLICATION NUMBER: US/60/389,987
; CURRENT FILING DATE: 2002-06-17
; NUMBER OF SEQ ID NOS: 3025
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 2147
; LENGTH: 496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-389-987-2147

Query Match          30.3% Score 65.5; DB 27; Length 496;
Best Local Similarity 35.4% Pred. No. 39;
Matches 17; Conservative 6; Mismatches 18; Indels 7; Gaps 1;

Qy 1 EDDERSTDSQOCS-----SEDDIFEETAOVSPPRCKEKROWRAR 41
Db 123 ENDENSLSSSSDCSSENKDEISEESDIEKTEVKEPELQTRREMEER 170

RESULT 13
US-60-412-418-2147
; Sequence 2147, Application US/60412418
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465P3
; CURRENT APPLICATION NUMBER: US/60/412,418
; CURRENT FILING DATE: 2002-09-20
; NUMBER OF SEQ ID NOS: 3025
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 2147
; LENGTH: 496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-412-418-2147

Query Match          30.3% Score 65.5; DB 27; Length 496;
Best Local Similarity 35.4% Pred. No. 39;
Matches 17; Conservative 6; Mismatches 18; Indels 7; Gaps 1;

Qy 1 EDDERSTDSQOCS-----SEDDIFEETAOVSPPRCKEKROWRAR 41
Db 123 ENDENSLSSSSDCSSENKDEISEESDIEKTEVKEPELQTRREMEER 170

RESULT 14
US-60-340-187-528
; Sequence 528, Application US/60340187
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Ghosh, Malabika
; APPLICANT: Weng, Gezhi
; APPLICANT: Boyle, Bryan J
; APPLICANT: Dmanac, Radoje T
; TITLE OF INVENTION: Novel Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 813
; CURRENT APPLICATION NUMBER: US/60/340,187
; CURRENT FILING DATE: 2001-12-12
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; PRIOR APPLICATION NUMBER: US 09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US00/35017
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: US 09/496,914
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: US 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: PCT/US01/03800
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/515,126
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: US 09/577,409
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: PCT/US01/04927
; PRIOR FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: US 09/519,705
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: US 09/574,454
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: PCT/US01/04941
; PRIOR FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: US 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: US 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 09/552,929
; PRIOR FILING DATE: 2000-04-18
; PRIOR APPLICATION NUMBER: US 09/770,160
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: PCT/US01/08656
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: US 09/577,408
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: PCT/US01/14827
; PRIOR FILING DATE: 2001-05-16
; NUMBER OF SEQ ID NOS: 1192
; SOFTWARE: pc_FL_genes Version 6.0
; SEQ ID NO: 528
; LENGTH: 522
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-340-187-528

Query Match          30.3% Score 65.5; DB 27; Length 522;
Best Local Similarity 35.4% Pred. No. 41;
Matches 17; Conservative 6; Mismatches 18; Indels 7; Gaps 1;

Qy 1 EDDERSTDSQOCS-----SEDDIFEETAOVSPPRCKEKROWRAR 41
Db 123 ENDENSLSSSSDCSSENKDEISEESDIEKTEVKEPELQTRREMEER 170

RESULT 15
US-09-758-472-9466
; Sequence 9466, Application US/09758472
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PH001
; CURRENT APPLICATION NUMBER: US/09/758,472
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
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PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 9632
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 9466
LENGTH: 533
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (2)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (6)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (317)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-758-472-9466

Query Match 30.3%; Score 65.5; DB 21; Length 533;
Best Local Similarity 35.4%; Pred. No. 42;
Matches 17; Conservative 6; Mismatches 18; Indels 7; Gaps 1;

QY 1 EDDERSTSSQOC-----SEDEDIFETAGVSPPRGKRRQWRAR 41
DB 135 ENDENSLSSSDCSNKDEISESDIEKTEVKEPELQTRREMEER 182

Search completed: July 18, 2003, 19:34:53
Job time : 44.1406 secs

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OM protein - protein search, using SW model

Run on: July 18, 2003, 19:21:51 ; Search time 12.0059 Seconds
(without alignments)
902.695 Million cell updates/sec

Title: US-09-991-681-28

Perfect score: 216
Sequence: 1 EDDERSTDSSQCCSSEDEDI.....ETTAQVSPRKEKRWRRAR 41

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Gapop 10.0 , Gapext 0.5

Searched: 1232328 seqs, 264332421 residues

Total number of hits satisfying chosen parameters: 1232328

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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14: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	216	100.0	1770	2	PCT-US03-01943-44
2	216	100.0	1839	12	US-10-416-993-495
3	216	100.0	1872	2	PCT-US03-04508-32
4	216	100.0	1872	11	US-10-367-978-32
5	216	100.0	2221	2	PCT-US03-01943-30
6	69	31.9	192	12	US-10-131-487A-87
7	65.5	30.3	462	12	US-10-072-012-770
8	65.5	30.3	489	2	PCT-US02-38445-42
9	65.5	30.3	496	12	US-10-072-012-771
10	65.5	30.3	521	12	US-10-072-012-769
11	64	29.6	706	12	US-10-219-051B-7546
12	64	29.6	706	12	US-10-219-051B-11767
13	64	29.6	707	2	PCT-US03-10240-19
14	64	29.6	707	12	US-10-400-083-19
15	64	29.6	710	14	US-60-453-680-22493
16	64	29.6	710	14	US-60-453-135-13989
17	64	29.6	710	14	US-60-453-050-13989
18	64	29.6	710	14	US-60-466-412-13989
19	64	29.6	712	12	US-10-219-051B-3693

20	64	29.6	712	12	US-10-219-051B-3695	Sequence 3695, Ap
21	64	29.6	712	12	US-10-219-051B-7544	Sequence 7544, Ap
22	64	29.6	712	12	US-10-219-051B-11765	Sequence 11765, A
23	64	29.6	747	10	US-09-949-016-10040	Sequence 10040, A
24	63.5	29.4	122	12	US-10-424-599-205039	Sequence 205039, A
25	63.5	29.4	321	12	US-10-437-963-135139	Sequence 9888, Ap
26	62.5	28.9	376	12	US-10-156-761-9888	Sequence 10495, A
27	62	28.7	268	12	US-10-203-138A-10495	Sequence 81673, A
28	62	28.7	2361	10	US-09-724-676A-81673	Sequence 81673, A
29	62	28.7	2361	10	US-09-724-676A-81673	Sequence 81673, A
30	62	28.7	2485	10	US-09-724-676A-81675	Sequence 81675, A
31	62	28.7	2485	10	US-09-724-676A-81675	Sequence 81675, A
32	62	28.7	2799	12	US-10-422-807-42	Sequence 42, Appl
33	61	28.2	393	12	US-10-425-114-65836	Sequence 65836, A
34	61	28.2	416	12	US-10-425-114-65836	Sequence 90336, A
35	61	28.2	532	10	US-09-724-676A-90349	Sequence 90349, A
36	61	28.2	532	10	US-09-724-676A-90349	Sequence 90349, A
37	61	28.2	617	10	US-09-724-676A-90342	Sequence 90342, A
38	61	28.2	617	10	US-09-724-676A-90342	Sequence 90342, A
39	61	28.2	862	10	US-09-724-676A-90336	Sequence 90336, A
40	61	28.2	862	10	US-09-724-676A-90336	Sequence 90336, A
41	61	28.2	947	10	US-09-724-676A-90330	Sequence 90330, A
42	61	28.2	947	10	US-09-724-676A-90330	Sequence 90330, A
43	61	28.2	1007	10	US-09-724-676A-90325	Sequence 90325, A
44	61	28.2	1007	10	US-09-724-676A-90325	Sequence 90325, A
45	61	28.2	1092	10	US-09-724-676A-90353	Sequence 90353, A

ALIGNMENTS

RESULT 1
PCT-US03-01943-44
Sequence 44, Application PC/TUS0301943
GENERAL INFORMATION:
APPLICANT: ORIGENE TECHNOLOGIES INC
TITLE OF INVENTION: CANCER GENES
FILE REFERENCE: 3U 9U 901 PCT
CURRENT APPLICATION NUMBER: PCT/US03/01943
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US 10/054,935
PRIOR FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US 60/356,130
PRIOR FILING DATE: 2002-02-14
PRIOR APPLICATION NUMBER: US 10/102,946
PRIOR FILING DATE: 2002-03-22
PRIOR APPLICATION NUMBER: US 10/117,229
PRIOR FILING DATE: 2002-04-08
PRIOR APPLICATION NUMBER: US 10/144,198
PRIOR FILING DATE: 2002-05-14
PRIOR APPLICATION NUMBER: US 10/197,824
PRIOR FILING DATE: 2002-07-19
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 44
LENGTH: 1770
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US03-01943-44

Query Match
Best Local Similarity 100.0%; Pred. No. 5,1e-19;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EDDERSTDSSQCCSSEDEDIETTAQVSPRKEKRWRRAR 41
DB 1436 EDDERSTDSSQCCSSEDEDIETTAQVSPRKEKRWRRAR 1476

RESULT 2
US-10-416-993-495
Sequence 495, Application US/10416993
GENERAL INFORMATION:

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; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-096
; CURRENT APPLICATION NUMBER: US/10/416,993
; CURRENT FILING DATE: 2003-11-16
; PRIOR APPLICATION NUMBER: 09/714,936
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 682
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 495
; LENGTH: 1839
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-416-993-495

Query Match          100.0%; Score 216; DB 12; Length 1839;
Best Local Similarity 100.0%; Pred. No. 5,3e-19;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 EDDERSTDSSQCCSSEDEDIFFETTAQVSPPRGKEKRWRR 41
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Db      1505 EDDERSTDSSQCCSSEDEDIFFETTAQVSPPRGKEKRWRR 1545

RESULT 3
PCT-US03-04508-32
; Sequence 32, Application PC/TUS0304508
; GENERAL INFORMATION:
; APPLICANT: IDEC PHARMACEUTICALS
; APPLICANT: GATELY, DENNIS
; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
; FILE REFERENCE: 037003/0301985
; CURRENT APPLICATION NUMBER: PCT/US03/04508
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/357,140
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 60/396,082
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/386,759
; PRIOR FILING DATE: 2002-06-10
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 32
; LENGTH: 1872
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-04508-32

Query Match          100.0%; Score 216; DB 2; Length 1872;
Best Local Similarity 100.0%; Pred. No. 5,4e-19;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 EDDERSTDSSQCCSSEDEDIFFETTAQVSPPRGKEKRWRR 41
|||||
Db      1538 EDDERSTDSSQCCSSEDEDIFFETTAQVSPPRGKEKRWRR 1578

RESULT 4
US-10-367-978-32
; Sequence 32, Application US/10367978
; GENERAL INFORMATION:
; APPLICANT: GATELY, DENNIS
; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
; FILE REFERENCE: 037003-0301988
; CURRENT APPLICATION NUMBER: US/10/367,978
; CURRENT FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/357,140
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 60/396,082
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/386,759
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; PRIOR FILING DATE: 2002-06-10
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 1872
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-367-978-32

Query Match          100.0%; Score 216; DB 11; Length 1872;
Best Local Similarity 100.0%; Pred. No. 5,4e-19;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1538 EDDERSTDSSQCCSSEDEDIFFETTAQVSPPRGKEKRWRR 1578

RESULT 5
PCT-US03-01943-30
; Sequence 30, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES, INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 9U 901 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/01943
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 10/054,935
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/356,130
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 10/102,946
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 10/117,229
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 10/144,198
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/197,824
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 2221
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-01943-30

Query Match          100.0%; Score 216; DB 2; Length 2221;
Best Local Similarity 100.0%; Pred. No. 6,5e-19;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 EDDERSTDSSQCCSSEDEDIFFETTAQVSPPRGKEKRWRR 41
|||||
Db      1887 EDDERSTDSSQCCSSEDEDIFFETTAQVSPPRGKEKRWRR 1927

RESULT 6
US-10-131-487A-87
; Sequence 87, Application US/10131487A
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM PROSTATE TUMOR TISSUE
; FILE REFERENCE: ALBRE 11
; CURRENT APPLICATION NUMBER: US/10/131,487A
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/623,791A
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: PCT/DE99/00721
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PRIOR FILING DATE: 1999-03-09
NUMBER OF SEQ ID NOS: 201
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 87
LENGTH: 192
TYPE: PRT
ORGANISM: Homo sapiens
US-10-131-487A-87

Query Match 31.9%; Score 69; DB 12; Length 192;
Best Local Similarity 100.0%; Pred. No. 0.63;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EDDERSTDSSQOC 13
Db 180 EDDERSTDSSQOC 192

RESULT 7
US-10-072-012-770

Sequence 770, Application US/10072012.
GENERAL INFORMATION:

APPLICANT: Tchernev, Velizar
APPLICANT: Spytek, Kimberly
APPLICANT: Zelnusen, Bryan
APPLICANT: Patuturajan, Meera
APPLICANT: Shinkets, Richard
APPLICANT: Li, Li
APPLICANT: Gangoli, Beha
APPLICANT: Padigaru, Muralidhara
APPLICANT: Anderson, David W.
APPLICANT: Rastelli, Luca
APPLICANT: Miller, Charles E.
APPLICANT: Gerlach, Valerie
APPLICANT: Taupier Jr, Raymond J.
APPLICANT: Gusev, Vladimir Y.
APPLICANT: Colman, Steven D.
APPLICANT: Wolenc, Adam R.
APPLICANT: Pena, Carol E. A
APPLICANT: Furtak, Katarzyna
APPLICANT: Grosse, William M.
APPLICANT: Alsobrook II, John P.
APPLICANT: Lepley, Denise M.
APPLICANT: Rieger, Daniel K.
APPLICANT: Burgess, Catherine E.
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-258
CURRENT APPLICATION NUMBER: US/10/072, 012
CURRENT FILING DATE: 2002-01-31
PRIOR APPLICATION NUMBER: 60/265, 102
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: 60/265, 514
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/265, 517
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/265, 412
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/265, 395
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/266, 406
PRIOR FILING DATE: 2001-02-02
PRIOR APPLICATION NUMBER: 60/266, 767
PRIOR FILING DATE: 2001-02-05
PRIOR APPLICATION NUMBER: 60/267, 057
PRIOR FILING DATE: 2001-02-07
PRIOR APPLICATION NUMBER: 60/266, 975
PRIOR FILING DATE: 2001-02-07
PRIOR APPLICATION NUMBER: 60/267, 459
PRIOR FILING DATE: 2001-02-08
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1391
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 770

LENGTH: 462
TYPE: PRT
ORGANISM: Homo sapiens
US-10-072-012-770

Query Match 30.3%; Score 65.5; DB 12; Length 462;
Best Local Similarity 35.4%; Pred. No. 4.8;
Matches 17; Conservative 6; Mismatches 18; Indels 7; Gaps 1;

Qy 1 EDDERSTDSSQOC-----SEDEDIFEEYFAQVSPPRKKEKROWRAR 41
Db 64 ENDENSLSSSDCCSENDEISESDIEKTEVVEEPLQTRRMEER 111

RESULT 8
PCT-US02-38445-42
Sequence 42, Application PC/TUS0238445

GENERAL INFORMATION:

APPLICANT: INCYTE GENOMICS, INC.
APPLICANT: BAUGHN, Mariah R.
APPLICANT: BECHA, Shanya D.
APPLICANT: BHATIA, Umesh G.
APPLICANT: BLAKE, Julie J.
APPLICANT: BURFORD, Neil
APPLICANT: BURRILL, John D.
APPLICANT: CHANG, Hsin-Ru
APPLICANT: CHAMLA, Narinder K.
APPLICANT: ELIOTT, Vicki S.
APPLICANT: EMERLING, Brooke M.
APPLICANT: FORSYTHE, Ian J.
APPLICANT: GANDHI, Ameena R.
APPLICANT: GIETZEN, Kimberly J.
APPLICANT: GORVAD, Ann E.
APPLICANT: GRIFFIN, Jennifer A.
APPLICANT: HAPFALL, April J. A.
APPLICANT: JACKSON, Jennifer L.
APPLICANT: HO, Anne
APPLICANT: ISON, Craig H.
APPLICANT: JACKSON, Alan A.
APPLICANT: JIANG, Xin
APPLICANT: JIN, Pei
APPLICANT: KABLE, Amy E.
APPLICANT: KHARE, Reena
APPLICANT: LAL, Preeti G.
APPLICANT: LEE, Ernestine A.
APPLICANT: LEE, Sally
APPLICANT: LEE, Soo Yeun
APPLICANT: LI, Joana X.
APPLICANT: LU, Dyung Aina M.
APPLICANT: RAMKUMAR, Jayalaxmi
APPLICANT: RICHARDSON, Thomas W.
APPLICANT: SPRAGUE, William W.
APPLICANT: SWARNAKAR, Anita
APPLICANT: TANG, Y. Tom
APPLICANT: WARREN, Bridget A.
APPLICANT: XU, Yuning
APPLICANT: YAO, Monique G.
APPLICANT: YUE, Henry
APPLICANT: ZHENG, Wenjin
TITLE OF INVENTION: NUCLEIC ACID-ASSOCIATED PROTEINS
FILE REFERENCE: PF-1308 PCT
CURRENT APPLICATION NUMBER: PCT/US02/38445
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: US 60/333, 925
PRIOR FILING DATE: 2001-11-27
PRIOR APPLICATION NUMBER: US 60/340, 477
PRIOR FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: US 60/340, 362
PRIOR FILING DATE: 2001-12-14
PRIOR APPLICATION NUMBER: US 60/342, 002
PRIOR FILING DATE: 2001-12-18
NUMBER OF SEQ ID NOS: 120
SOFTWARE: PERL Program

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; SEQ ID NO 42
; LENGTH: 489
; TYPE: PRT
; ORGANISM: Homo sapiens
;
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: incyte ID No: 7505859CD1
; PCT-US02-38445-42

Query Match          30.3%; Score 65.5; DB 2; Length 489;
Best Local Similarity 35.4%; Pred. No. 5.1;
Matches 17; Conservative 6; Mismatches 18; Indels 7; Gaps 1;

QY      1 EDDERSTDSQOCS-----SEDEDIFEEETAGVSPPGKEKRWRRAR 41
Db      91 ENDENSLSSSDSCSENKDEISESDIEETKEVKEPELQTRREMEER 138

RESULT 9
; Sequence 771, Application US/10072012
; GENERAL INFORMATION:
; APPLICANT: Tchernev, Velizar
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zernusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Shimkets, Richard
; APPLICANT: Li, Li
; APPLICANT: Gangolli, Esba
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Anderson, David W.
; APPLICANT: Rastelli, Luca
; APPLICANT: Miller, Charles E.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Coleman, Steven D.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Pena, Carol E. A
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Grosse, William M.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-258
; CURRENT APPLICATION NUMBER: US/10/072,012
; CURRENT FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: 60/265,102
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/265,514
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,517
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,412
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,395
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/266,406
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/266,767
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: 60/267,057
; PRIOR FILING DATE: 2001-02-07
; PRIOR APPLICATION NUMBER: 60/266,975
; PRIOR FILING DATE: 2001-02-07
; PRIOR APPLICATION NUMBER: 60/267,459
; PRIOR FILING DATE: 2001-02-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1391
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 771
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; LENGTH: 496
; TYPE: PRT
; ORGANISM: Homo sapiens
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; US-10-072-012-771

Query Match          30.3%; Score 65.5; DB 12; Length 496;
Best Local Similarity 35.4%; Pred. No. 5.1;
Matches 17; Conservative 6; Mismatches 18; Indels 7; Gaps 1;

QY      1 EDDERSTDSQOCS-----SEDEDIFEEETAGVSPPGKEKRWRRAR 41
Db      123 ENDENSLSSSDSCSENKDEISESDIEETKEVKEPELQTRREMEER 170

RESULT 10
; Sequence 769, Application US/10072012
; GENERAL INFORMATION:
; APPLICANT: Tchernev, Velizar
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zernusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Shimkets, Richard
; APPLICANT: Li, Li
; APPLICANT: Gangolli, Esba
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Anderson, David W.
; APPLICANT: Rastelli, Luca
; APPLICANT: Miller, Charles E.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Coleman, Steven D.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Pena, Carol E. A
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Grosse, William M.
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Lepley, Denise M.
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-258
; CURRENT APPLICATION NUMBER: US/10/072,012
; CURRENT FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: 60/265,102
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/265,514
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,517
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,412
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/265,395
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/266,767
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: 60/267,057
; PRIOR FILING DATE: 2001-02-07
; PRIOR APPLICATION NUMBER: 60/266,975
; PRIOR FILING DATE: 2001-02-07
; PRIOR APPLICATION NUMBER: 60/267,459
; PRIOR FILING DATE: 2001-02-08
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1391
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 769
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-072-012-769
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Query Match 30.3%; Score 65.5; DB 12; Length 521;
Best Local Similarity 35.3%; Pred. No. 5.4;
Matches 17; Conservative 6; Mismatches 18; Indels 7; Gaps 1;

QY 1 EDDERSTDSQCCS-----SEDEDIFETTAQVSPPRKGRAR 41
DB 123 EDDSSSSSSDCSENKOEISEESDIEKTEVKEPELQTRREMEER 170

RESULT 11

US-10-219-051B-7546
Sequence 7546, Application US/10219051B
GENERAL INFORMATION:
APPLICANT: The General Hospital Corporation doing business as Massachusetts General
APPLICANT: Hospital / Bayer AG
TITLE OF INVENTION: Nucleotide sequences involved in pain
FILE REFERENCE: Lea 35693 Foreign Countries
CURRENT FILING DATE: 2003-05-09
PRIOR APPLICATION NUMBER: US 60/312,147
PRIOR FILING DATE: 2001-08-14
PRIOR APPLICATION NUMBER: US 60/346,382
PRIOR FILING DATE: 2001-11-01
PRIOR APPLICATION NUMBER: US 60/333,347
PRIOR FILING DATE: 2001-11-26
NUMBER OF SEQ ID NOS: 14715
SOFTWARE: Perl script
SEQ ID NO 7546
LENGTH: 706
TYPE: PRT
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: SWISS-Prot / P19338
US-10-219-051B-7546
Database Entry Date: 2002-06-15

Query Match 29.6%; Score 64; DB 12; Length 706;
Best Local Similarity 35.3%; Pred. No. 12;
Matches 12; Conservative 6; Mismatches 16; Indels 0; Gaps 0;

QY 1 EDDERSTDSQCCSEDEDIFETTAQVSPPRKE 34
DB 186 EDDDEDEDEDDDDDEDDSEEMETTPAKGK 219

RESULT 12

US-10-219-051B-11767
Sequence 11767, Application US/10219051B
GENERAL INFORMATION:
APPLICANT: The General Hospital Corporation doing business as Massachusetts General
APPLICANT: Hospital / Bayer AG
TITLE OF INVENTION: Nucleotide sequences involved in pain
FILE REFERENCE: Lea 35693 Foreign Countries
CURRENT FILING DATE: 2003-05-09
PRIOR APPLICATION NUMBER: US 60/312,147
PRIOR FILING DATE: 2001-08-14
PRIOR APPLICATION NUMBER: US 60/346,382
PRIOR FILING DATE: 2001-11-01
PRIOR APPLICATION NUMBER: US 60/333,347
PRIOR FILING DATE: 2001-11-26
NUMBER OF SEQ ID NOS: 14715
SOFTWARE: Perl script
SEQ ID NO 11767
LENGTH: 706
TYPE: PRT
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: SWISS-Prot / P19338
US-10-219-051B-11767
Database Entry Date: 2002-06-15

Query Match 29.6%; Score 64; DB 12; Length 706;
Best Local Similarity 35.3%; Pred. No. 12;
Matches 12; Conservative 6; Mismatches 16; Indels 0; Gaps 0;

QY 1 EDDERSTDSQCCSEDEDIFETTAQVSPPRKE 34
DB 186 EDDDEDEDEDDDDDEDDSEEMETTPAKGK 219

RESULT 13

PCT-US03-10240-19
Sequence 19, Application PC/TUS0310240
GENERAL INFORMATION:
APPLICANT: The Burnham Institute
APPLICANT: Ruoslahti, Erkki
APPLICANT: Porikka, Kimmo
TITLE OF INVENTION: HMGN2 Peptides and Related Molecules
FILE REFERENCE: EP-LJ 5660
CURRENT FILING DATE: 2003-04-02
PRIOR APPLICATION NUMBER: PCT/US03/10240
PRIOR FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: US 10/116,866
PRIOR FILING DATE: 2003-03-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 19
LENGTH: 707
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US03-10240-19

Query Match 29.6%; Score 64; DB 2; Length 707;
Best Local Similarity 35.3%; Pred. No. 12;
Matches 12; Conservative 6; Mismatches 16; Indels 0; Gaps 0;

QY 1 EDDERSTDSQCCSEDEDIFETTAQVSPPRKE 34
DB 187 EDDDEDEDEDDDDDEDDSEEMETTPAKGK 220

RESULT 14

US-10-400-083-19
Sequence 19, Application US/10400083
GENERAL INFORMATION:
APPLICANT: Ruoslahti, Erkki
APPLICANT: Porikka, Kimmo
APPLICANT: Christian, Sven
TITLE OF INVENTION: HMGN2 Peptides and Related Molecules
FILE REFERENCE: P-LJ 5662
CURRENT FILING DATE: 2003-03-20
PRIOR APPLICATION NUMBER: US 10/116,866
PRIOR FILING DATE: 2002-04-05
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 19
LENGTH: 707
TYPE: PRT
ORGANISM: Homo sapiens
US-10-400-083-19

Query Match 29.6%; Score 64; DB 12; Length 707;
Best Local Similarity 35.3%; Pred. No. 12;
Matches 12; Conservative 6; Mismatches 16; Indels 0; Gaps 0;

QY 1 EDDERSTDSQCCSEDEDIFETTAQVSPPRKE 34
DB 187 EDDDEDEDEDDDDDEDDSEEMETTPAKGK 220

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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:46 ; Search time 49.2972 Seconds
(without alignments)
309.167 Million cell updates/sec

Title: US-09-991-681-27
Perfect score: 2698
Sequence: 1 RIRMAQQVFLMDTQCSPTK.....VROAVREWLGHRVYDIIV 518

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2698	100.0	518	US-09-065-383-27	Sequence 27, Appl
2	260	9.6	49	US-09-065-383-31	Sequence 31, Appl
3	216	8.0	41	US-09-065-383-28	Sequence 28, Appl
4	215	8.0	40	US-09-065-383-30	Sequence 30, Appl
5	180	6.7	35	US-09-065-383-29	Sequence 29, Appl
6	111	4.1	474	US-08-729-416C-1	Sequence 1, Appl
7	111	4.1	594	US-08-729-416C-7	Sequence 7, Appl
8	110	4.1	829	US-07-670-611-2	Sequence 2, Appl
9	110	4.1	829	US-08-220-674-2	Sequence 2, Appl
10	110	4.1	829	US-08-445-186-2	Sequence 2, Appl
11	110	4.1	829	US-08-446-549-2	Sequence 2, Appl
12	110	4.1	829	US-08-446-550-2	Sequence 2, Appl
13	103	3.8	1098	US-08-923-992A-8	Sequence 8, Appl
14	101.5	3.8	2101	US-08-466-390-4	Sequence 4, Appl
15	101.5	3.8	2101	US-08-470-950-4	Sequence 4, Appl
16	101.5	3.8	2101	US-08-467-781-4	Sequence 4, Appl
17	101.5	3.8	2101	US-08-483-924-4	Sequence 4, Appl
18	101.5	3.8	2101	US-09-452-294-1	Sequence 1, Appl
19	100.5	3.7	2101	US-08-195-487-4	Sequence 4, Appl
20	100.5	3.7	2101	PCT-US93-06160-4	Sequence 4, Appl
21	98	3.6	733	US-08-725-459B-21	Sequence 21, Appl
22	97.5	3.6	1128	US-08-923-992A-6	Sequence 6, Appl
23	95.5	3.5	1164	US-08-923-992A-2	Sequence 2, Appl
24	95.5	3.5	1713	US-08-600-982-24	Sequence 24, Appl
25	95.5	3.5	1713	PCT-US94-10261A-24	Sequence 24, Appl
26	95.5	3.5	1805	US-07-853-913-2	Sequence 2, Appl
27	94.5	3.5	907	US-08-990-140-4	Sequence 4, Appl

28	94.5	3.5	907	US-09-546-238-4	Sequence 4, Appl
29	94.5	3.5	940	US-08-810-712-7	Sequence 7, Appl
30	94.5	3.5	1579	US-08-755-587-184	Sequence 184, App
31	94	3.5	397	US-09-006-428A-2	Sequence 2, Appl
32	94	3.5	397	US-09-006-428A-19	Sequence 19, Appl
33	94	3.5	2391	US-08-446-855A-2	Sequence 2, Appl
34	94	3.5	2391	US-09-150-741-2	Sequence 2, Appl
35	93.5	3.5	984	US-08-257-073-3	Sequence 3, Appl
36	93.5	3.5	984	US-08-184-009-120	Sequence 120, App
37	93.5	3.5	984	US-08-458-356-120	Sequence 120, App
38	93.5	3.5	984	US-08-460-736-120	Sequence 120, App
39	93.5	3.5	989	US-08-213-419B-2	Sequence 2, Appl
40	93.5	3.5	989	US-08-213-419B-4	Sequence 4, Appl
41	93	3.4	1038	US-08-334-179A-2	Sequence 2, Appl
42	92.5	3.4	793	US-09-588-256-10	Sequence 10, Appl
43	92.5	3.4	906	US-08-609-230A-9	Sequence 9, Appl
44	91.5	3.4	1164	US-08-923-992A-10	Sequence 10, Appl
45	91.5	3.4	2842	US-07-741-940-7	Sequence 7, Appl

ALIGNMENTS

RESULT 1
US-09-065-383-27
Sequence 27, Application US/09065383
Patent No. 6391543
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE PROSTATE
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: NO. 6391543e
US-09-065-383-27

Query Match 100.0%; Score 2698; DB 4; Length 518;
Best Local Similarity 100.0%; Pred. No. 2e-277;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRAMAQVFMIDTQCSPTNNFHAQSCQIIEHPDEKPNKHTKYSVSPREIVSLL 60
DB 1 RIRAMAQVFMIDTQCSPTNNFHAQSCQIIEHPDEKPNKHTKYSVSPREIVSLL 60
QY 61 SHOVLQNIYDILLEEFPVGPSPGKEKTOVPEAKIAGFLRYISMONLAVIPFLIDSVR 120
DB 61 SHOVLQNIYDILLEEFPVGPSPGKEKTOVPEAKIAGFLRYISMONLAVIPFLIDSVR 120
QY 121 TAREPDTSPGLKCLKKVSGIGGANLYRQSAMSFNIYFHALVCAVLINQETITAEQVK 180
DB 121 TAREPDTSPGLKCLKKVSGIGGANLYRQSAMSFNIYFHALVCAVLINQETITAEQVK 180
QY 181 VLFEDERSTDSQCCSSEDEDIFETAYQSPRGKEKQWRARMLLSVQPVSNADWY 240
DB 181 VLFEDERSTDSQCCSSEDEDIFETAYQSPRGKEKQWRARMLLSVQPVSNADWY 240
QY 241 LVKRLHKLQMLCNNTIOMHLDLNCMEBPPIFKGDPFLLPSPGSESTPTSGSGKE 300
DB 241 LVKRLHKLQMLCNNTIOMHLDLNCMEBPPIFKGDPFLLPSPGSESTPTSGSGKE 300
QY 301 TPSEDDRQSQRHMGESLSLKAGGDLPLPSPKVEKQPSRKKEWENAGNKIYTMAD 360
DB 301 TPSEDDRQSQRHMGESLSLKAGGDLPLPSPKVEKQPSRKKEWENAGNKIYTMAD 360
QY 361 KTI SKMTYKKRKKQOHNSAFPKYKVEKGPFLPRGODSPLLRPHLMDQGMRS 420
DB 361 KTI SKMTYKKRKKQOHNSAFPKYKVEKGPFLPRGODSPLLRPHLMDQGMRS 420
QY 421 FSAGPELLRODKRPRSGSTSSLSVSRDAEAOIQMTMNVLTVLNOIQLPQPTTALQ 480
DB 421 FSAGPELLRODKRPRSGSTSSLSVSRDAEAOIQMTMNVLTVLNOIQLPQPTTALQ 480
QY 481 PAVPCISQLTCHVTDIRVAQAVREMLGRVGRVYDIIV 518
DB 481 PAVPCISQLTCHVTDIRVAQAVREMLGRVGRVYDIIV 518

RESULT 2

US-09-065-383-31
Sequence 31, Application US/09065383
Patent No. 6391543

GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA

ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: NO. 6391543e
US-09-065-383-31

Query Match 9.6%; Score 260; DB 4; Length 49;
Best Local Similarity 100.0%; Pred. No. 2.3e-20;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 393 EELGRGQDSPLLRPHLMDQGMRSFSAGPELLRODKRPRSGSTS 441
DB 1 EELGRGQDSPLLRPHLMDQGMRSFSAGPELLRODKRPRSGSTS 49

RESULT 3

US-09-065-383-28
Sequence 28, Application US/09065383
Patent No. 6391543

GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA

ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383

FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-28

Query Match 8.0%; Score 216; DB 4; Length 41;
Best Local Similarity 100.0%; Pred. No. 8e-16;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 184 EDDERSTDSQQCSSEDEDIFFETAAVSPRGKRRQMPAR 224
Db 1 EDDERSTDSQQCSSEDEDIFFETAAVSPRGKRRQMPAR 41

RESULT 4
US-09-065-383-30
Sequence 30, Application US/09065383
Patent No. 6391543
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-30

Query Match 8.0%; Score 215; DB 4; Length 40;
Best Local Similarity 100.0%; Pred. No. 9.8e-16;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 332 SPKVEKKDPSRKKEWENAGNKIYTMADKTSKLTMYK 371
Db 1 SPKVEKKDPSRKKEWENAGNKIYTMADKTSKLTMYK 40

RESULT 5
US-09-065-383-29
Sequence 29, Application US/09065383
Patent No. 6391543

GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,383
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/842,385
FILING DATE: 23-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6391543e
US-09-065-383-29

Query Match
Best Local Similarity 100.0%; Pred. No. 4.1e-12;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 283 SF0SESSTPTGSGKETPSEDDRSQSRHMGES 317
DB 1 SF0SESSTPTGSGKETPSEDDRSQSRHMGES 35

RESULT 6
US-08-729-416C-1
Sequence 1, Application US/08729416C
Patent No. 6013767

GENERAL INFORMATION:
APPLICANT: NAKAMURA, TAKESHI
TITLE OF INVENTION: NOVEL BRAIN-SPECIFIC ADAPTER MOLECULE GENE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY, MADISON & SUTRO, L.L.P.
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3918

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/729,416C
FILING DATE: 11-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: PERRY, GLENN J.
REGISTRATION NUMBER: 28458
REFERENCE/DOCKET NUMBER: 7898/225948
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-729-416C-1

Query Match
Best Local Similarity 18.5%; Pred. No. 0.0067;
Matches 90; Conservative 71; Mismatches 205; Indels 120; Gaps 19;

QY 83 PGEKTIQVPE-----AKLAGFLRYI-SMQLAVIFLLDLSYRTARE 124
DB 9 PGDEPLPRPRGTPHASDVGLPGVTVYVYKIGLCIEVLSMSLDFSTRQTITREASISRV 68

QY 125 FDTSPGKLCILKK-----VSGIGGAANL-YROSAMSPVYTHALVCANLTNOETITAE 176
DB 69 CEAVPQAKGAFKRRKPPSKMLSSILGKSNLOFGMSISLTITASLNLRTPPDSKQIITANH 128

QY 177 QVKKVLFEED-----DERSTDSQQCSSEDEDFEETAAQVSPPRGKEX 218
DB 129 HMRISFASGSDPDPTDYAVAKDPVNRRAACHILLECCDLADVIGSIGAFELAFKQY 188
QY 219 RQRRAMPPLISVQPVSNADWMLVKRLHKLCELCNNYIOMHLDLNCEEPPIFFKGDPR 278

DB 189 LOCPKIPALH-DRMQSLDEPM-----TEEGDGSDDHPYNSITS 227

QY 279 -----FILPSFOSESSSTPTGSGKETPSEDDRSQSRHMGESLS-----LKAGG 324

DB 228 KMPPEGGFLDTRKRRPAPDPTAOGAKQOTYYOGR-----HLDITFGDMQOTPLRQSS 282

QY 325 GDLLEPPSPKVEKDKPSRRKEWENAGNKIYMAADKITSKLMTEYKRRQOHNLSAFPK 384

DB 283 SDIVSTPECKLHVA-PTGEAPTYVNT-QOIPQAWPAVSS--AESPRKDLFDMPKPFED 338

QY 385 EYKVEKKG-----EPLGRGDSPLIQRPQ-HLMQCGMRHSFSGPELLRQD 431

DB 339 ALKNQPLGVLKSAASVEICISPVSPAPAKWLELQAEITWYQGEYSRKEAGC--LLEKD 396

QY 432 -----KPPRSGTSSLSVSRDAEAQIQAMTWMLTVLNIQIOLPPQFTALQPAVFCI 487

DB 397 GPFLVRKSTTNPGSFVLTMHNGQAK-----HLLVDEBGTIRT-KDRVFDSEI 443

QY 488 SOLTCH 493
DB 444 SHLINH 449

RESULT 7
US-08-729-416C-7
Sequence 7, Application US/08729416C
Patent No. 6013767

GENERAL INFORMATION:
APPLICANT: NAKAMURA, TAKESHI
TITLE OF INVENTION: NOVEL BRAIN-SPECIFIC ADAPTER MOLECULE GENE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY, MADISON & SUTRO, L.L.P.
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3918

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/729,416C
FILING DATE: 11-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: PERRY, GLENN J.
REGISTRATION NUMBER: 28458
REFERENCE/DOCKET NUMBER: 7898/225948
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 594 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-729-416C-7

Query Match
Best Local Similarity 4.1%; Score 111; DB 3; Length 594;
Matches 90; Conservative 71; Mismatches 205; Indels 120; Gaps 19;

QY 83 PGEKTIQVPE-----AKLAGFLRYI-SMQLAVIFLLDLSYRTARE 124
DB 129 PGDEPLPRPRGTPHASDVGLPGVTVYVYKIGLCIEVLSMSLDFSTRQTITREASISRV 188


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QY 125 FDTSPGLKLLK-----VSGIGGANL-YROSMSFNIFHALVAVLTNOETITAE 176
DB 189 CEAVPGAKAFKKRPPSKMLSLILKSNLQFAGMSISLTISTASINLTTPSKQIINAH 248
QY 177 QVKVLFED-----DERSTDSQSCSEDEDI:FEETAQVSPRGKEX 218
DB 249 HKRSISFASGCDPTTDYAVAKDPVNRACHILECCGLADVDYGSIGQAFELRFKQY 308
QY 219 ROMRAMPPLSVQPVSNADWWLVKRLHKLCHLCLNNYIQMLHDLNCHMEEPPIFKGDF 278
DB 309 LQCPKIPALH-DRMQSLDEPW-----TEBGDSGDHPYNSIDS 347
QY 279 -----FLPSPFOSESTPSTGSGCKTPEEDDSQSRHMGESLS-----LKAG 324
DB 348 KMPPGCFDTRLKPRPHAPDTAQFAGKEQTYQGR-----HLGDFGDMQOTPLRQGS 402
QY 325 GDLPLPSPFKVKRKKPKKEMWENAKNITMADKITSKLTVEYKRRKQOHNSAPFX 384
DB 403 SDIYSTPEGLHVA-PTGEAPTYVNT-QQIPQAMPAAVSS--AESPPKDLFDKMPFED 458
QY 385 EVKVEKGR-----EPLPGGDSPLLPQO-HLMDQGMHHSFASGPELLROD 431
DB 459 ALKNGPLGVLKSAKSVESISVSPAPAKYLEELQAEWTYQGESKREAG--LLEKD 516
QY 432 ---KRPSSGSTGSSLSVSDAEAOIQAMTNMVLTVLNOIQLPDQFTALQPAVFCI 487
DB 517 GDFLVKSTTNPDSFVLTMHNGQAK-----HLLVDEPGTIRT-KDRVFDST 563
QY 488 SOLTCH 493
DB 564 SHLINH 569

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RESULT 8

```

US-07-670-611-2
; Sequence 2, Application US/07670611
; Patent No. 5330892
; GENERAL INFORMATION:
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: White, Raymond
; APPLICANT: Nakamura, Yusuke
; TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch et al.
; STREET: 1001 G Street
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20001-4597
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/670,611
; FILING DATE: 19910313
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 1107.33981
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 829 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear

```

```

; MOLECULE TYPE: Protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-07-670-611-2

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Query Match 4.1%; Score 110; DB 1; Length 829;
Best Local Similarity 18.4%; Pred. No. 0.022;
Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

```

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QY 81 PPSGEKTI-----QVPEKLAGFLRYSIMQNLAVFDLLLSYRAREFDTSPLGKLLK 136
DB 307 PSTGSLSTSSSSNDPIPIKIAERYK-----LSKTRSESSSDRPVGS 349
QY 137 KVSIGGANLYRGSMSF-----NIYPHALCAVLTNOETITABOVKVLFD 185
DB 350 EISIGVSSVAEHLHSLQDCSNIQEITFTLYSHG-----SAISSEKIRE--FEV 398
QY 186 DERSTDSQSCSEDEDI:FEETAQVSPRGKEKQWRAMPPLSVQPVSNADWWLVKRL 245
DB 399 ETERLNSRIEHLKSGNDLLITLLE-----ECSNARMGMVLKYESNATLRLALQY 451
QY 246 HKLCHLCLNNYIQMLHDLNCHMEEPPIFKGDPFLLPSPFOSESTPSTGSGCKTPESE 304
DB 452 SEOCIEAYELL-----ALAESQSLIGCFRAGVGSFGDSGDENITQOM 498
QY 305 ---DDRQSRHMGESLSLACG--GDLLPLPSPFKVKRKKPKKEMWENAKNITMMA 358
DB 499 LKRAHDCRTKIBNAKALLMKLSDSCGAFVAGCSVP-----WESLSSNSHTST 549
QY 359 ADKTSKLTVEYKRRKQOHNSAPPEKVEKKG-----EPLG---PRGOD 401
DB 550 TSSTASCDTEFTKEDQ-RLKDYIQOLKNDRAAVKLTMLELESIHIDPLSYDVKPRGDS 608
QY 402 SPL-LQRP---QHLMDQGMHHSFASGPELLRODKRPPSGSTGSSLSVSDAEAOIQAM 457
DB 609 QRLDENAVLMOELAMKEEMAEUKAQLYLLEKEKX-----ALBLKLTSTREAOEAY 660
QY 458 TNNVLTVNOIQLPDQFTALQ-----PAVFCIS---QUTCHVTDIR 498
DB 661 LVHIEHLSEVEBEQKQMRSLSTSSGSKPKGECADASPALSLAELRTTCSENELA 720
QY 499 VR--QAVREWLGRVGRVYDII 517
DB 721 AEFTNAIREKKLKRVOELV 741

```

RESULT 9

```

US-08-220-674-2
; Sequence 2, Application US/08220674
; Patent No. 5571905
; GENERAL INFORMATION:
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: White, Raymond
; APPLICANT: Nakamura, Yusuke
; TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch et al.
; STREET: 1001 G Street
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20001-4597
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/08/220,674
FILING DATE: 31-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/670,611
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.33981
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 829 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-220-674-2

Query Match 4.1%; Score 110; DB 1; Length 829;
Best Local Similarity 18.4%; Pred. No. 0.022;
Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

QY 81 PPSGEKTI---QVPEAKLAGFLRYISMONLAVIFDLIDSRTRAREFTSPGKCLK 136
DB 307 PSTGELSTSSSSNDIPAKIAERK-----LSKTRSSSSSDRPVLGS 349
QY 137 KVGIGGAANLYRQSMF-----NIYFHALCAVLTNOETITAEQVKYLPED 185
DB 350 EISSIGVSSVAHLAHSLODCSNIOEIFQTLVSHG-----SAISSKIRE--FEV 398
QY 186 DERSTDSQCCSEDEDIPEETAQVSPPRGKEXQWRAMPPLSVQVSNADWMLVKRL 245
DB 399 ETERLNSRIEHLKSONDLTITL-----ECKSNAERMSMLVGKYESNATRLALQY 451
QY 246 HKLCMELCNNTIOMHLDLNCMEEPPIFKGDPFLLPSPQSSSTPTSGFSGKETPSE- 304
DB 452 SEQCIEAYELL-----ALAESEOSLILGQFRAAGVSSPGQSGDENITQW 498
QY 305 ---DDRSGSREHMGESLSLKAGG--GDLPLPSPKVEKDPARKKEMWENAGNKIYTM 358
DB 499 LKRAHDCRKTAEANAALMLKLDGSCGGAFAVAGCVQ-----WESSLSNHTST 549
QY 359 ADKTIKLTETKRRKQOHNLSAFPKEVVEKKG-----EPLG---PRGOD 401
DB 550 TSTASSCDETFTEKDEQ-RLKDYIOQLKNDRAAVKLTMLESHIDPLSYDVKPRGDS 608
QY 402 SPL-LQRP---QHLMOQCGMRHFSAGPELLRODKPRRSSTGSSLSVSRDAEQIQW 457
DB 609 QRLDLENAVLMQELMKEEMALKQVLYLLEKKEK-----ALELKLSTREAEOQAY 660
QY 458 TNNVLTVLNOIQLPOTFALQ-----PAVPCIS---QLTCHYTDIR 498
DB 661 LVHIEHLKSEVEQCKEDQKRSLSSTSSGSKOKGCKCADAPALSLAEILRTTCSENEIA 720
QY 499 VR--QAVREWLGRVGRVYDII 517
DB 721 AEFTNAIRREKKLKARVQELV 741

RESULT 10
US-08-445-186-2
Sequence 2, Application US/08445186
Patent No. 5576422
GENERAL INFORMATION:
APPLICANT: Vogelstein, Bert
APPLICANT: Kinzler, Kenneth W.

APPLICANT: White, Raymond
APPLICANT: Nakamura, Yusuke
TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of
TITLE OF INVENTION: Humans
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner, Birch et al.
STREET: 1001 G Street
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20001-4597
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,186
FILING DATE: 19-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/220,674
FILING DATE: 31-MAR-1994
APPLICATION NUMBER: US 07/670,611
FILING DATE: 13-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.33981
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 829 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-08-445-186-2

Query Match 4.1%; Score 110; DB 1; Length 829;
Best Local Similarity 18.4%; Pred. No. 0.022;
Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

QY 81 PPSGEKTI---QVPEAKLAGFLRYISMONLAVIFDLIDSRTRAREFTSPGKCLK 136
DB 307 PSTGELSTSSSSNDIPAKIAERK-----LSKTRSSSSSDRPVLGS 349
QY 137 KVGIGGAANLYRQSMF-----NIYFHALCAVLTNOETITAEQVKYLPED 185
DB 350 EISSIGVSSVAHLAHSLODCSNIOEIFQTLVSHG-----SAISSKIRE--FEV 398
QY 186 DERSTDSQCCSEDEDIPEETAQVSPPRGKEXQWRAMPPLSVQVSNADWMLVKRL 245
DB 399 ETERLNSRIEHLKSONDLTITL-----ECKSNAERMSMLVGKYESNATRLALQY 451
QY 246 HKLCMELCNNTIOMHLDLNCMEEPPIFKGDPFLLPSPQSSSTPTSGFSGKETPSE- 304
DB 452 SEQCIEAYELL-----ALAESEOSLILGQFRAAGVSSPGQSGDENITQW 498
QY 305 ---DDRSGSREHMGESLSLKAGG--GDLPLPSPKVEKDPARKKEMWENAGNKIYTM 358
DB 499 LKRAHDCRKTAEANAALMLKLDGSCGGAFAVAGCVQ-----WESSLSNHTST 549
QY 359 ADKTIKLTETKRRKQOHNLSAFPKEVVEKKG-----EPLG---PRGOD 401
DB 550 TSTASSCDETFTEKDEQ-RLKDYIOQLKNDRAAVKLTMLESHIDPLSYDVKPRGDS 608

QY 402 SPL-LQRP---QHLMDOQMHSFSAGPELLRQDKRPRSGSTGSLSVSVDAEAOIQAW 457
DB 609 QRLDENAVLMQELMAMKEEMAEKQAQLYLEKEKK-----ALBLKLSREAOEQAY 660
QY 458 TMMVLTVLNOIQLPDTFTALQ-----PAVPCIS---QITCVHTDIR 498
DB 661 LVHIEHLKSEVEBOEQMRSLSTSSGSKDPRKECADAPALSLAELRTTSENELA 720
QY 499 VR--QAVREWLGRVGVYDII 517
DB 721 AFTNAIRREKKLKAQVQELV 741

RESULT 11

US-08-446-549-2
; Sequence 2, Application US/08446549
; Patent No. 563536
; GENERAL INFORMATION:
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: White, Raymond
; APPLICANT: Nakamura, Yusuke
; TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of
; TITLE OF INVENTION: Humans
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch et al.
; STREET: 1001 G Street
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20001-4597
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,549
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/670,611
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A. 32,141
; REGISTRATION NUMBER: 1107.33981
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 829 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-08-446-549-2

Query Match 4.1%; Score 110; DB 1; Length 829;

Best Local Similarity 18.4%; Pred. No. 0.022;

Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

QY 81 PPSGEKTI---QVPEAKLAGFLRYISQONLAVIFDLDDSYRTAREPDTSPGLKCLK 136
DB 307 PSTGELSTSSSSNDIPAKIAERVK-----LSKTRSSSSSSDRPVLGS 349
QY 137 KVSIGGAANLYRQSAMSF-----NIYFHALVCAVLTNOETITAEQVKVLFED 185

DB 350 EISSIGVSSVAEHLAHSLODCNSIQEIFQTLVSHG-----SAISEKIRE--FEV 398
QY 186 DERSTDSQOCSSSEDEDIFEEFAQVSPRGKEKQWRAMPLLSVQPVSNADWVLVRL 245
DB 399 ETERLNSRIEHLKSONDLTTLE-----ECSNARMKMLVKYKESNATLRLALQY 451
QY 246 HKLCELNNYIOMHLDELNCMEBPPIFGDPFLLPFSQESSSTPSTGFSGKETPSE- 304
DB 452 SEQCTEAYELL-----ALAESQSLILGFRAAGVSSSGDQSGDENITQM 498
QY 305 ---DDRQSRREHMGESLSLAAG--GDLPLPSPFKVEKQPSRKKEWENAKKITVMA 358
DB 499 LKRAHDCRKTAEENAKALMLKLDSCGGAFAVAGCSVQ-----WESLSNSHST 549
QY 359 ADKTSKLMTEYKKRKQOHNSAPPEKVKVKG-----EPLG---PRGOD 401
DB 550 TSSTASSCDTTEFTEDEO-RLKDYIQULANDRAVKLTMLEBSHIDPLSDVKPRDS 608
QY 402 SPL-LQRP---QHLMDOQMHSFSAGPELLRQDKRPRSGSTGSLSVSVDAEAOIQAW 457
DB 609 QRLDENAVLMQELMAMKEEMAEKQAQLYLEKEKK-----ALBLKLSREAOEQAY 660
QY 458 TMMVLTVLNOIQLPDTFTALQ-----PAVPCIS---QITCVHTDIR 498
DB 661 LVHIEHLKSEVEBOEQMRSLSTSSGSKDPRKECADAPALSLAELRTTSENELA 720
QY 499 VR--QAVREWLGRVGVYDII 517
DB 721 AFTNAIRREKKLKAQVQELV 741

RESULT 12

US-08-446-550-2
; Sequence 2, Application US/08446550
; Patent No. 5830676
; GENERAL INFORMATION:
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: White, Raymond
; APPLICANT: Nakamura, Yusuke
; TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of
; TITLE OF INVENTION: Humans
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch et al.
; STREET: 1001 G Street
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20001-4597
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,550
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/670,611
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A. 32,141
; REGISTRATION NUMBER: 1107.33981
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 829 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: YES
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 US-08-446-550-2

Query Match 4.1%; Score 110; DB 2; Length 829;
 Best local Similarity 18.4%; Pred. No. 0.022;
 Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

QY 81 PPSGEKTI---QVPAKLAGFLRYISMONTAVIFDLDSYRTAREPTDGLKCLK 136
 DB 307 PSTGELSTSSNDIPAKIAERVK-----LSKTRSESSSDRPLG 349
 QY 137 KVGIGGANLVYQSMSP-----NIYFALVAVLTNOETITTEQYKVLFPED 185
 DB 350 EISIGVSSVAHLSLQDCSNIOEIFOTLYSHG-----SAISSKIRE--FEV 398
 QY 186 DERSTSSQCSSEDEDFEETAQVSPRGRKQRARMPILSVQVSNADWMLVKRL 245
 DB 399 ETFRLSRRIEHLKSQNDLITLLE-----ECKSNAERKSMLVGKYESNATRLRLAQY 451
 QY 246 HKLCMELCNVYIQMLDLENCMEEPPIFKGDPFPIPSFQSSSTPSTGSGKETPSE- 304
 DB 452 SEQCIAYELL-----ALAESEQSLILIGQFPAAGVSSPDGSDENITQM 498
 QY 305 ----DRSGREMGESLSLKAGG--GDLLPSPRYEKDPBRKKEWENAGNKIYTMA 358
 DB 499 LKRAHCRTAENAAKALLMKLDGSCGAPAVAGCVQP-----WESLSNSHTST 549
 QY 359 ADKTIKLTMEYKRRKQHNLSAFPKVEKVEKKG-----EPLG---PRGOD 401
 DB 550 TSTASTSCDTFTEKEBQ-RLKQYIQGLKNDRAAVLTMLELSIHIDPLSTYVKRGDS 608
 QY 402 SPL-LQRP---QHLMDQGNRHSFSAGPELLRQDKPRSGSTSSLSVSYRAEAQIQAW 457
 DB 609 QRLDENAVLMQELMAMKEEMAEIKALVYLERKK-----ALELKLSTREAQOAV 660
 QY 458 TNNVLTVNOIQLPQPTFALQ-----PAVPCIS---QLTCHVTDIR 498
 DB 661 LVHIEHLKSEVEQKQRMKSLSTSSGSKDKPKGECADAPALSLAELRTTCSNELA 720
 QY 499 VR--QAVREWLGRVGRYDII 517
 DB 721 AEFTNAIRREKLIKARVQELV 741

RESULT 13
 US-08-923-992A-8
 Sequence 8, Application US/08923992A
 Patent No. 6280738
 GENERAL INFORMATION:
 APPLICANT: Tai, Joseph Y.
 APPLICANT: Blake, Milan S.
 TITLE OF INVENTION: No. 6280738-1ga Fc Binding Forms of the Group B
 TITLE OF INVENTION: Streptococcal Beta Antigens
 NUMBER OF SEQUENCES: 34
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue, N.W., Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/923,992A

FILING DATE: 05-SEP-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/024,707
 FILING DATE: 06-SEP-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Esmond, Robert W.
 REGISTRATION NUMBER: 32,893
 REFERENCE/DOCKET NUMBER: 1438.0140001/RWE
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1098 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-923-992A-8

Query Match 3.8%; Score 103; DB 4; Length 1098;
 Best local Similarity 23.7%; Pred. No. 0.19;
 Matches 103; Conservative 66; Mismatches 177; Indels 88; Gaps 22;

QY 38 PKEPNGHTKKSVSFRFIVSLSHQVLLQNLVDILLBEFVKGPSGEEKTIQVPAKLA 97
 DB 199 PDKEDAEVK---VREELKLFSS---TKAGLDQEIQHVKKTSSEENTQKVD----- 247
 QY 98 GFLRYI-SMONTAVIFDLDSYRTAREPTDGLKCL-----LKVSSIGGANLVYROS 151
 DB 248 ---HYANSIQNLAKSLSEELDK-ATTNEQATQVKQFLENACKLEIQLIKETVVKLYK 303
 QY 152 AMSFNIFYFALVAVLTNOETITAEQVKVLPEDERSTD-----SSQCSSEDEDFEET 207
 DB 304 AMSESL-----EYVEKELGNSEANJEDLVANSKEIVREYEGCLNS 345
 QY 208 AOVSPRGRKQRARMPILSV---QVSNADWMLVKRLHKLCMELCNVYIQMLD 262
 DB 346 KNL--PELKQLE-BAHSKLVQVEDFRKKFTSSEQVTPKRLKDLANENN--QOKIE 400
 QY 263 LENCMEEPPIFKGDPFPIPSFQSSSTPSTGFGS--KEPSEEDR-----SQSRKH 313
 DB 401 LTVSPENITVYGEEDVKFTVTAKSDSKT--TLDFSLTKYNPVSVDRISTYKNTDNH 458
 QY 314 MGESLSLKAGGDLPLPSPRYEKDPBRKKEWENAGNKIYTMAADKTIKLTMEYKRR 373
 DB 459 KIAETIRK---NKLNESQVTTLAKK-----DDSGNV-----EKTFT--ITVQKKE 500
 QY 374 KOQHNLSAFPKVEKVEKKGEPLGPRGQSPILLQRPQHLMD--QGNRHSFSAGPELLROD 431
 DB 501 EKQVPKTPQKDSKTEEK-VQEPKSNQNL---QELIKSAQOELKLEKAIKEIMEQP 556
 QY 432 KRPRSGSTSSLSV 445
 DB 557 EIPSNEPYGIQKSI 570

RESULT 14
 US-08-466-390-4
 Sequence 4, Application US/08466390
 Patent No. 5686562
 GENERAL INFORMATION:
 APPLICANT: TOUKATLY, GARY
 APPLICANT: LIDGARD, GRAHAM P
 TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE
 TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: TESTA, HURWITZ & THIBEAULT
 STREET: 125 HIGH STREET
 CITY: BOSTON
 STATE: MA
 COUNTRY: USA

Fri Jul 18 20:42:38 2003

us-09-991-681-27.rat

Page 10

Search completed: July 18, 2003, 19:23:01
Job time : 51.2972 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:51 ; Search time 62.1903 Seconds
(without alignments)
989.182 Million cell updates/sec

Title: US-09-991-681-27

Perfect score: 2698
Sequence: 1 RIRMAQGVFMLDTQCSFKT.....VROAVREWIGRVGRVYDIIV 518

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*

1: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
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10: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
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15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	110	4.1	828	US-08-681-219-28	Sequence 28, Appl
2	108.5	4.0	2783	US-09-816-669A-14	Sequence 14, Appl
3	102.5	3.8	453	US-10-106-658-5604	Sequence 5604, Ap
4	100.5	3.7	1294	US-09-836-499-2	Sequence 2, Appl
5	100.5	3.7	1294	US-10-162-435-2	Sequence 2, Appl
6	100.5	3.7	1309	US-09-836-499-5	Sequence 5, Appl
7	100.5	3.7	1309	US-10-162-435-5	Sequence 5, Appl
8	100	3.7	557	US-10-106-698-6295	Sequence 5295, Ap
9	98	3.6	411	US-09-788-600-5	Sequence 5, Appl
10	98	3.6	446	US-09-738-626-4700	Sequence 4700, Ap
11	98	3.6	1332	US-09-982-091A-4	Sequence 4, Appl
12	97.5	3.6	669	US-09-823-187-88	Sequence 88, Appl
13	96.5	3.6	759	US-09-764-864-823	Sequence 823, App
14	96	3.6	555	US-09-764-864-1161	Sequence 1161, Ap
15	96	3.6	555	US-09-764-864-1574	Sequence 1574, Ap
16	95.5	3.5	693	US-10-151-569-2	Sequence 2, Appl

17	95.5	3.5	1713	US-10-171-211-113	Sequence 113, App
18	95	3.5	678	US-09-823-187-87	Sequence 87, Appl
19	95	3.5	1395	US-10-153-668-468	Sequence 468, Appl
20	94.5	3.5	465	US-10-103-113-357	Sequence 357, App
21	94.5	3.5	504	US-09-801-168-208	Sequence 208, App
22	94.5	3.5	561	US-10-156-761-14518	Sequence 14518, A
23	94.5	3.5	600	US-09-764-864-1282	Sequence 1282, Ap
24	94.5	3.5	907	US-09-954-043-4	Sequence 4, Appl
25	94.5	3.5	907	US-10-200-154-4	Sequence 4, Appl
26	94.5	3.5	940	US-10-102-806-678	Sequence 678, App
27	94.5	3.5	1711	US-09-771-161A-219	Sequence 219, App
28	94.5	3.5	1711	US-09-771-161A-220	Sequence 220, App
29	94	3.5	258	US-09-815-242-5680	Sequence 5680, App
30	94	3.5	300	US-09-815-242-12173	Sequence 12173, A
31	93.5	3.5	304	US-09-987-107-7	Sequence 7, Appl
32	93.5	3.5	323	US-09-987-107-58	Sequence 58, Appl
33	93.5	3.5	519	US-09-924-455-164	Sequence 164, App
34	93	3.4	266	US-09-864-761-37015	Sequence 37015, A
35	93	3.4	464	US-09-902-941-1934	Sequence 1934, Ap
36	93	3.4	464	US-10-017-754-1934	Sequence 1934, Ap
37	93	3.4	615	US-09-925-101-1094	Sequence 1094, App
38	93	3.4	693	US-10-029-217A-4	Sequence 4, Appl
39	93	3.4	705	US-10-154-186-2	Sequence 2, Appl
40	93	3.4	1038	US-09-908-500A-2	Sequence 2, Appl
41	93	3.4	4019	US-09-738-973-425	Sequence 425, App
42	93	3.4	4019	US-09-854-133-425	Sequence 425, App
43	93	3.4	4019	US-10-144-649A-425	Sequence 425, App
44	92.5	3.4	393	US-09-745-763-19	Sequence 19, Appl
45	92.5	3.4	707	US-10-225-486-57	Sequence 57, Appl

ALIGNMENTS

RESULT 1
US-08-681-219-28
; Sequence 28, Application US/08681219
; Publication No. US20020058607A1
; GENERAL INFORMATION:
APPLICANT: Takaaki Sato and Jun Yamaigawa
TITLE OF INVENTION: COMPOUNDS THAT INHIBIT THE INTERACTION BETWEEN
SIGNAL-TRANSDUCING PROTEINS AND THE GLG
TITLE OF INVENTION: (PDZ/DHR) DOMAIN AND USES THEREOF
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/681,219
FILING DATE: 22-JUL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/48962/JPM/JKM
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 828 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
US-08-681-219-28

Query Match 4.1%; Score 110; DB 8; Length 828;
Best Local Similarity 18.4%; Pred. No. 0.43;
Matches 92; Conservative 81; Mismatches 198; Indels 130; Gaps 19;

QY 81 PSPEEKTI---QVEPAKLAGFLRYISMQLAVIFDILLDSYRTAREFTSPGLKCLAK 136
DB 306 PSTGELSTSSSSNDIILAKIAERVK-----LSKTRSESSSSDRVVLGS 348
QY 137 KVSIGGANLYRQSAMSF-----NIYFHALVCALVTNQTITAEQVKVLPED 185
DB 349 EISSIVSSSVAEHLHSLQDCSNIOEIFQTLYSHG-----SAISSKIRE--FEV 397
QY 186 DERSTSSQCCSEDEDIPEETAQVSPRKEKORARAPMLISVQPVSNADWVWLKVL 245
DB 398 ETERLSRIEHLKSQNDLITLIE-----ECKSNARMSVLGKYESNAVALRLALQY 450
QY 246 HKLWELCNVYIOMHLDLNCMEEPPIFKGDPEFLLPSFQSESTSTGSGSKETPSE- 304
DB 451 SEGCIAVELL-----ALAESEQLILGQFPAAGVSSPGQSGDENITQM 497
QY 305 ---DPSGSGREHMGESLSIKAGG--GDLLPPSPVKEKKDPSRKKEWMENAGNKYTMA 358
DB 498 LKRAHDCRKTAEANAALMLKLDGSCGAFVAVAGCSVQP-----WESLSNSHTST 548
QY 359 ADKTIKLMTEYKRRQGNLSAFPKVYKVEKKG-----EPKG-----PRGD 401
DB 549 TSTTASSCDTEFTEDEQ-RLKQYIOQLKNDRAAVKLTMLELSIHIDLSYVKKRGS 607
QY 402 SPL-LORP---QHLMDOGWHSFSGAPPELLRODKPRSGSTSSVSRYDAEAOIOM 457
DB 608 QRLDENAVLMQGLMAKEMAKLQVLYLEKEK-----ALELKSTREAEQV 659
QY 458 TNNVTLVNLQIQLPQOTFALQ-----PAVPCIS---QLTCHVTDIR 498
DB 660 LVHIEHLKSEVEQCKQMRSLSTSSGSKDKGECADAAASPALSLAEIKRTCSHNEIA 719
QY 499 VR--QAVREWLGRVGVYDI 517
DB 720 AEFTHAIRREKKLKAQVQELV 740

RESULT 2

US-09-816-669A-14
Sequence 14, Application US/09816669A
Patent No. US20020137019A1
GENERAL INFORMATION:
APPLICANT: GARABEDIAN, Michael
APPLICANT: TAMEJA, Samir
APPLICANT: HITTELMAN, Adam
APPLICANT: MARKUS, Steven
TITLE OF INVENTION: METHOD FOR SCREENING TRANSCRIPTIONAL COREGULATORY PROTEINS OF
TITLE OF INVENTION: TRANSCRIPTION FACTORS, AND ANDROGEN RECEPTOR TRANSCRIPTIONAL
FILE REFERENCE: GARABEDIAN-1.1A
CURRENT APPLICATION NUMBER: US/09/816,669A
CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: 60/225,618
PRIOR FILING DATE: 2000-08-15
PRIOR APPLICATION NUMBER: 60/191,768
PRIOR FILING DATE: 2000-03-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
LENGTH: 2783
TYPE: PRT
ORGANISM: Human
US-09-816-669A-14

Query Match 4.0%; Score 108.5; DB 11; Length 2783;
Best Local Similarity 20.6%; Pred. No. 3.8;

Matches 73; Conservative 45; Mismatches 91; Indels 145; Gaps 18;

QY 132 KCLLKVSGIGGAANLYRQSAMSFNIYFHALVCALVT-----NOETIT 174
DB 158 KHLQCHESGVBE-----SCYHCVLCNSTRAKNLIGHVSMKQRESLAK 206
QY 175 AEQVKVLPEDDE-----RSTD-----SSQ 194
DB 207 LQRLQGLPEDEDLGOIFTRICRSTDPDEAIEDVEGSEYAADPELAKQEGGASS 266
QY 195 QCSSEDEDIPEETAQVSPRKEKORARAPMLISVQ-----VSN 236
DB 267 QAEKELTSPATSKISFPSSSES-----PLSSKRPXTAEIKPEQYOCPCYKSYNA 319
QY 237 DWVLVYKRLH-----KLWELCNV--YIOMHLD-----LNCMEEPPIRK 274
DB 320 D-----VNRKRYAMQHSQVPMRLCPQLQDMANNKIHQLHLYHLSVAPDVEKILMY 375
QY 275 GDFPFLPSFO--SESSTSTGSGSKETPSEDDRSQSRHMGESLSIKAG--GGDLLP 330
DB 376 TTPBWMPSMFLPAVPDRGNSNLEBAGK--QETSIEDLKNILPSASTSGSD--LK 431
QY 331 PSPEKPKDPSRKE-----WENAGNKIYTMAADKITSKLTETK---KXQ 375
DB 432 PSP---ADPGSVREDSGFCWKKGQCNQVF-----KTSAAQTHNEVHAKEPQ 476

RESULT 3

US-10-106-698-5604
Sequence 5604, Application US/10106698
Publication No. US20030109690A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
FILE REFERENCE: PA00521
CURRENT APPLICATION NUMBER: US/10/106,698
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8564
SOFTWARE: PatentIn Ver. 3.0
SEQ ID NO 5604
LENGTH: 453
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1327)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-5604

Query Match 3.8%; Score 102.5; DB 15; Length 453;
Best Local Similarity 19.8%; Pred. No. 0.84;
Matches 78; Conservative 43; Mismatches 154; Indels 119; Gaps 15;

QY 82 SPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYRTAREFTSPGLKCLKLVSGI 141
DB 6 SPGFRIAMTIPSLLEEDLSIKYSDLOMLA-----KSLGLRANLRATKLL 48
QY 142 GGAANLYRQSAMSFNIYFHALVCALVTNQTITAEQVKVLPEDDERSTSSQCCSEDE 201
DB 49 KALKGYIKHEARKN-----ENQDESQTSASSCDETI 81
QY 202 DIFEETAQVSPRKEKORARAPMLISVQ-----VSNADWVLVRLHLKME 251
DB 82 QISNQEABARQPLGHYTKT-RRRCKTVRVDPDSQGNHSEIKISNP-----TE 127
QY 252 LCNVYIOMHLDLNCMEEPPIFKGDPEFLLPSFQSESTSTGSGSKETPSEDDRSQSR 311

Db 128 FONHEKQSSODIRATAKVP-----SP-----PDEHOEAEENAVSSGNRDSKVPEGKSLYT 178
Qy 312 EHMGESLTKAGGGDLLPPSPKVEKDDPSRKKEWMENAKITYMAADKTSKLTMTYK 371
Db 179 DE-----SKPGKAKRTATTTPNFKKHLHAHKEM-----ESIDQYIERKK 219
Qy 372 KRKQOHNLAPPEKVEKVGK-----EPLGPRGQ-----DSPLOPPOHLMQGMHSHFSNAP 425
Db 220 KHFEEHNSMNLKQOPINKGVRTVPFPRGRSLVASTPISQR-----RSQGR-----SCGP 270
Qy 426 E-----LLRQDKRP--RSGTSSSLSVSRDAE 451
Db 271 ASQSTLGLKSLKRSALSAKTGVRFSAATKNE 304

RESULT 4
US-09-836-499-2
Sequence 2, Application US/09836499
Publication No. US20030027316A1
GENERAL INFORMATION:
APPLICANT: Meyers, Rachel
TITLE OF INVENTION: 16051A AND 16051B, NOVEL HUMAN PDZ
FILE REFERENCE: 10448-043001
CURRENT APPLICATION NUMBER: US/09/836,499
PRIOR FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: US 60/197,507
PRIOR FILING DATE: 2000-04-18
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 1294
TYPE: PRT
ORGANISM: Homo sapiens
US-09-836-499-2

Query Match 3.7%; Score 100.5; DB 12; Length 1294;
Best Local Similarity 21.8%; Pred. No. 6.5;
Matches 111; Conservative 66; Mismatches 194; Indels 139; Gaps 24;

Qy 10 FMDLQCSBKPTNNPDHAGSCQILIELP-----PDEKPNCHTKKSVSFREIVV----- 57
Db 839 FNMVAVRMIQNSPDNI-----ELIISQSKGVGANNPDEKNGTANSGVSTDLISFGYQG 892
Qy 58 SLTSH-----QVLLQNLVDILIEEFVGK-----PSPGEEKTIQVPEAK 95
Db 893 SLTSHQDODRNTTEELDMAGVSLVRLRHQSLFPLKAGASSCPSPPEISAGEIYFVE 952
Qy 96 LA--GFLRY-----ISMOMLAVIFDILLDSYRTAREFDTPSGIKCLKKVSIGGNA 145
Db 953 LKVEDGTIGFVSTGGINTSVPGGIYVKSIVPGPAAKCGQLQGDRL--QVDCV----- 1006
Qy 146 NLYRSANSFNIFYFALVAVITNOETITA---EYQKVLFEDEERSTDSQCCSSEDE 201
Db 1007 -----ILCG--LTHQAVQCLKGPQVAVLIVE--RRVPRSTQCCPSAND 1047
Qy 202 DIFETTAQVSPPRGKEKQWRAMPPLSVQ-----VSNAMWMLVVRKHLQMLQCN 255
Db 1048 SMGDERTAVS-----LVIALPERPSSCVSVTGPKEFVYLKKNANGLGFS 1092
Qy 256 YIQHMLDLENMCEBEPFPGDPPFLPFSQSESTPSTGSGKETPSHEDRSQSRHHG 315
Db 1093 FVQW--EKSSCSH-----LKSIDLVRIRKLPFGQPAENNGAIAAGDIIILAVNGRSTGLIFQ 1146
Qy 316 ESLSLKAGGD-----LLPSPKVEKDDPSRKKEWM--ENAGNKIYTNA--ADKITSKLM 367
Db 1147 EYHLHLRGAPOEVTLILCRPPGAL---PEMEQEWQTEPLSLADKEFTTRATCTDSCSPIL 1203
Qy 368 TTYKKRQKQOHNLAPPEKVEKVEKGPGLGPGDPSLQRPQHLMQGMH----- 418
Db 1204 DQEDSWRD---SASP-----DAGEGLGRPESS---OKAIRAOWGNRRERPASSILT 1250
Qy 419 HSPSAGPELLRQDKRPRSGSTGSSLSVSR 448

Db 1251 HSPESHPLCKLHQERDESTLATSLKQVR 1280

RESULT 5
US-10-162-435-2
Sequence 2, Application US/10162435
Publication No. US20030096305A1
GENERAL INFORMATION:
APPLICANT: Meyers, Rachel
APPLICANT: Glucksmann, Marie Alexandra
APPLICANT: Curtis, Rory A. J.
APPLICANT: Kapeller-Liebermann, Rosana
APPLICANT: Bandaru, Rajasekhar
APPLICANT: Leiby, Kevin R.
TITLE OF INVENTION: NOVEL HUMAN MEMBRANE-ASSOCIATED PROTEIN AND
FILE REFERENCE: 10448-189001
CURRENT APPLICATION NUMBER: US/10/162,435
PRIOR FILING DATE: 2002-06-04
PRIOR APPLICATION NUMBER: US 09/836,499
PRIOR FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: PCT/US01/12420
PRIOR FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: US 60/197,507
PRIOR FILING DATE: 2000-04-18
PRIOR APPLICATION NUMBER: US 09/891,008
PRIOR FILING DATE: 2001-06-25
PRIOR APPLICATION NUMBER: PCT/US01/19963
PRIOR FILING DATE: 2001-06-25
PRIOR APPLICATION NUMBER: US 60/214,220
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 09/860,868
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: PCT/US01/16013
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,674
PRIOR FILING DATE: 2000-05-19
PRIOR APPLICATION NUMBER: US 09/886,429
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: PCT/US01/20055
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: US 60/213,963
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 10/041,406
PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: PCT/US02/00275
PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 60/260,286
PRIOR FILING DATE: 2001-01-08
PRIOR APPLICATION NUMBER: US 09/934,268
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: PCT/US01/41811
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 60/226,612
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 1294
TYPE: PRT
ORGANISM: Homo sapiens
US-10-162-435-2

Query Match 3.7%; Score 100.5; DB 15; Length 1294;
Best Local Similarity 21.8%; Pred. No. 6.5;
Matches 111; Conservative 66; Mismatches 194; Indels 139; Gaps 24;
Qy 10 FMDLQCSBKPTNNPDHAGSCQILIELP-----PDEKPNCHTKKSVSFREIVV----- 57
Db 839 FNMVAVRMIQNSPDNI-----ELIISQSKGVGANNPDEKNGTANSGVSTDLISFGYQG 892
Qy 58 SLTSH-----QVLLQNLVDILIEEFVGK-----PSPGEEKTIQVPEAK 95

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Db      893  SLTSHQDQDRNTEELDMAGVQSLVRLRHQSLFLPLKAGSSCPSPSPISAGELIYFE 952
QY      96  LA---GFLRY-----ISMQNLAVIFDILLDSYFRAAREDTSPGLKCLIKKXSGIGGA 145
Db      953  LVKEDTLGSSVTGINTSVPGGIYVKSIVPGGPAKKEGQILQGRLL--QVDGV----- 1006
QY      146  NLVRGAMSFNIVFHALVLCVLTNOETITA---EQQKVLFPEDDERSTDSQSCSSEDE 201
Db      1007  -----ILCG-LTHKQAVQCLKGPQVARIYLE--RRVPSTQCCSAND 1047
QY      202  DIFEETAQVSPRGKERQWRAMPPLSVQP-----VSNADWWLVKRLHKLMLCINN 255
Db      1048  SMGDETRAVS-----LVTALPGRPSSCVSTDPGPKFEVULKKNANGLGFS 1092
QY      256  YIQMHLDLNCMEEPPIFKDPPFILPSPQSESTSTGFSGKETPSEDDRSQSRHMG 315
Db      1093  FVQM--EKSCSH-----LKSIDLVRIRKLPFGQPAENGAIAAGDIIILAVNGRSTEGLI 1146
QY      316  ELSLKAGGD-----LLPSPKVEKKDPSRKKEWM--ENAGNKIYTM--ADTKISKLM 367
Db      1147  EVHLIRGAPQEVTLTLCRPPGAL--PEMEQWQTPSLADKETRATCTDSTSPIL 1203
QY      368  TEYKRRKQOHNLAPPEKVEKKEGPELPGQDSPLLQRPQHLMDQGM----- 418
Db      1204  DQEDSWRD-----SASP-----DAGEGLGRPRESS--QKAIREAQWQNRBRPMASILT 1250
QY      419  HSFSAPELLRODKRPRSGSTGSSLSVSUR 448
Db      1251  HSPESHPHLCKLHQRDESTLTATSLKDV 1280

```

RESULT 6

```

US-09-836-499-5
; Sequence 5, Application US/09836499
; Publication No. US20030027316A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; TITLE OF INVENTION: 16051A AND 16051B, NOVEL HUMAN PDZ
; TITLE OF INVENTION: FAMILY MEMBERS AND USES THEREOF
; FILE REFERENCE: 10448-043001
; CURRENT APPLICATION NUMBER: US/09/836,499
; PRIOR FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 60/197,507
; PRIOR FILING DATE: 2000-04-18
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1309
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-836-499-5

```

```

Query Match      3.7%; Score 100.5; DB 12; Length 1309,
Best Local Similarity 21.8%; Pred. No. 6.6;
Matches 111; Conservative 66; Mismatches 194; Indels 139; Gaps 24;

```

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QY      10  FMDTCSPKTPNNPFAHSCOLIIEP-----DPEKNGHTKKSVSREIV----- 57
Db      839  FNMAVMIQNSPNT-----ELISQSKGVGANNPDEEKNGTANGSVSTDLISFGYQ 892
QY      58  SLTSH-----QVLLONLYDILLEEFVKG-----PSPGEKTIQVPEAK 95
Db      893  SLTSHQDQDRNTEELDMAGVQSLVRLRHQSLFLPLKAGSSCPSPSPISAGELIYFE 952
QY      96  LA---GFLRY-----ISMQNLAVIFDILLDSYFRAAREDTSPGLKCLIKKXSGIGGA 145
Db      953  LVKEDTLGSSVTGINTSVPGGIYVKSIVPGGPAKKEGQILQGRLL--QVDGV----- 1006
QY      146  NLVRGAMSFNIVFHALVLCVLTNOETITA---EQQKVLFPEDDERSTDSQSCSSEDE 201
Db      1007  -----ILCG-LTHKQAVQCLKGPQVARIYLE--RRVPSTQCCSAND 1047

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QY      202  DIFEETAQVSPRGKERQWRAMPPLSVQP-----VSNADWWLVKRLHKLMLCINN 255
Db      1048  SMGDETRAVS-----LVTALPGRPSSCVSTDPGPKFEVULKKNANGLGFS 1092
QY      256  YIQMHLDLNCMEEPPIFKDPPFILPSPQSESTSTGFSGKETPSEDDRSQSRHMG 315
Db      1093  FVQM--EKSCSH-----LKSIDLVRIRKLPFGQPAENGAIAAGDIIILAVNGRSTEGLI 1146
QY      316  ELSLKAGGD-----LLPSPKVEKKDPSRKKEWM--ENAGNKIYTM--ADTKISKLM 367
Db      1147  EVHLIRGAPQEVTLTLCRPPGAL--PEMEQWQTPSLADKETRATCTDSTSPIL 1203
QY      368  TEYKRRKQOHNLAPPEKVEKKEGPELPGQDSPLLQRPQHLMDQGM----- 418
Db      1204  DQEDSWRD-----SASP-----DAGEGLGRPRESS--QKAIREAQWQNRBRPMASILT 1250
QY      419  HSFSAPELLRODKRPRSGSTGSSLSVSUR 448
Db      1251  HSPESHPHLCKLHQRDESTLTATSLKDV 1280

```

RESULT 7

```

US-10-162-435-5
; Sequence 5, Application US/10162435
; Publication No. US20030096305A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Glucksmann, Maria Alexandra
; APPLICANT: Curtis, Rory A. J.
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Bandaru, Rajasekhar
; APPLICANT: Leiby, Kevin R.
; TITLE OF INVENTION: NOVEL HUMAN MEMBRANE-ASSOCIATED PROTEIN AND
; TITLE OF INVENTION: CELL SURFACE PROTEIN FAMILY MEMBERS
; FILE REFERENCE: 10448-189001
; CURRENT APPLICATION NUMBER: US/10/162,435
; PRIOR FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 09/836,499
; PRIOR FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: PCT/US01/12420
; PRIOR FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 60/197,507
; PRIOR FILING DATE: 2000-04-18
; PRIOR APPLICATION NUMBER: US 09/891,008
; PRIOR FILING DATE: 2001-06-25
; PRIOR APPLICATION NUMBER: PCT/US01/19963
; PRIOR FILING DATE: 2001-06-25
; PRIOR APPLICATION NUMBER: US 60/214,220
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 09/860,868
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: PCT/US01/16013
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,674
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 09/886,429
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: PCT/US01/20055
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/213,963
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 10/041,406
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: PCT/US02/00275
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/260,286
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: US 09/934,268
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: PCT/US01/41811
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 60/226,612
; PRIOR FILING DATE: 2000-08-21

```

Query Match
Best Local Similarity 21.8%; Score 100.5; DB 15; Length 1309;
Matches 111; Conservative 66; Mismatches 194; Indels 139; Gaps 24;

NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 1309
TYPE: PRT
ORGANISM: Homo sapiens
US-10-162-435-5

10 FMALDQCSPKPTNNFDHAGSCQIIELP-----PDEKPNHGTKSVSFREIV----- 57
839 FMNAVRMIQNSPDNI-----ELIISQKGVGNPNDEKNGTANSVASTDILSFGYQG 892
58 SLLSH-----QVLQNLVDILIEEVK-----PSPEEKTIQVPEAK 95
893 SLLSHQDDDRNTEELDMAGVSLVRLHQLSFLPLKAGSSCCPSPPEISAGEIYFVE 952
96 LA---GFLRY-----ISMQNLAVIFDLILDSYTRAREFDTSFGLKCLKKVGIGAA 145
953 LKREBGTIGFSTVGINTSVPGIYKSVIFGCPAKKGGQILQGDRL--QVDGV----- 1006
146 NLVROSAMSFNIYFHALVCAVLTNQETIYA---EQQKAVLFEDDERSTSSQCSSEDE 201
1007 -----ILCG-LTHKQAVGCLKPGQVARTLVE--RRVPRSTQCCPSAND 1047
202 DIFETAOVSPPRGKEKROWRAMPILSVQP-----VSNADWMLVKRLHKLCHLCLNN 255
1048 SMGDRRTAVS-----LVITALPGRPSSCVSTDPKFEVLTCKKANGLGFS 1092
256 YIOMHLDELNCMEBPPIFKGDPFFILPSFQSSSTPSTGCFSGKETPSEDDRSQREHMG 315
1093 FVQM--EKSCSH-----LKSIDLVRIRKLPFGCPAENGAIAAGDITLAVNGSTEGLIQ 1146
316 ESLSLKAGGD---LLPPSPKVEKKDPSRKKEWM--ENAGNKIYMA--ADKITSKLM 367
1147 EYLHLIRGAPQEVTLTLCLRPFGAL---PEMEQWQTPSLADKEPTRATCTDSCSPIL 1203
368 TEYKKRKOQHNLSAFPKEVKEKKEGPRGODSLLORPOHMDQGM----- 418
1204 DQEDSWRD---SASP-----DAGEGLRLPRESS---OKAIRAQMGQNRERPMASLRT 1250
419 HSFSAGPELLRODKRPRSGTSSLSVSVR 448
1251 HSPESHPLCLKLHQEKDESTLATLSLEKDYR 1280

RESULT 8
US-10-106-698-5295
Sequence 5295, Application US/10106698
Publication No. US20030109690A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
FILE REFERENCE: PA005P1
CURRENT APPLICATION NUMBER: US/10/106,698
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8564
SOFTWARE: PatentIn Ver. 3.0
SEQ ID NO 5295
LENGTH: 557
TYPE: PRT
ORGANISM: Homo sapiens
US-10-106-698-5295

Query Match
Best Local Similarity 21.0%; Score 98; DB 10; Length 411;
Matches 89; Conservative 66; Mismatches 171; Indels 98; Gaps 17;

120 RTAREFDTSFGLKCLKKRVSGIGGANLYR-----QSAMSFNIYFHALVCAVLTN 169
7 RSRWGPQNPRLRGQSTRTKTEGGAAGLRLHTRAPGPGAM--LWFGAIPALAT 63
170 QETIABOVKKVLFEDDERSTSSQCSSEDEDIPEETAOVSPPRGKEKROWRAMPILS 229
64 AKRGAAYVAVYA--GDDEQST---QMAASWEDDKTEASNSFVAIKIDTSEACLOQSQ 119
230 VQPV-----SNADWMLVKRLHKLCHLCLNNYIOMHL----- 261
120 IYPVVCVPSFPIGDSGIPLEVIAGVSAD--ELVTRIHKV-----RQMLLKSETS 169
262 -----DLNCMEBPPIFKGDPFFILPSFQSSSTPSTGCFSGKETPS 303
170 VANGSQSSSVSTPSASFEPNNTCENSQRNAELCEIPTSDTATGSGAGHATSS 229
304 EDDRSQREHMGESLSLKAGGDLPLPPSPKVEKDPERKKEWMENAGNKIYTMAADTI 363
230 QPSCGSDORPAEDLNTIV---ERL---TKLLEERREKPK---EEQREIKKEIERKKT 280
364 SKLMEYKKRKOQHNLSAFPKEVKEKKEGPRGODSPLLORPOHMDQGMHSEFA 423
281 QKEMLDY--KRGQEBELTKRMLEERREKABDPAARER-----IKQALDRERARFA- 333
424 GPPELLRODKRPRSGTSSLSVSVDAAEQIOAMTNMVLTYNQIQI--LPD-QITFALOP 481
334 -----KTKEVEAKAALALAKQAEVKEGSVARERSTYA-RIQFLPDGSSFTNOFP 386
482 AVFP 485
387 SDAP 390

RESULT 9
US-09-788-600-5
Sequence 5, Application US/09788600
Patent No. US20020004489A1
GENERAL INFORMATION:
APPLICANT: Shi et al.
TITLE OF INVENTION: Retinoid Receptor Interacting Polynucleotides, Polypeptides, an
FILE REFERENCE: PTO17P1
CURRENT APPLICATION NUMBER: US/09/788,600
CURRENT FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: PCT/US00/22351
PRIOR FILING DATE: 2000-08-15
PRIOR APPLICATION NUMBER: 60/189,026
PRIOR FILING DATE: 2000-03-14
PRIOR APPLICATION NUMBER: 60/148,757
PRIOR FILING DATE: 1999-08-16
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 411
TYPE: PRT
ORGANISM: Homo sapiens
US-09-788-600-5

Query Match
Best Local Similarity 19.1%; Score 98; DB 10; Length 411;
Matches 74; Conservative 54; Mismatches 115; Indels 144; Gaps 17;

2 IRMAQOVFMLDTCSPKTPNFDHAGSCQIIELPDEKPNHGTKSVSFREIVSLS 61
73 IKSLEKLLLE---EPTT---SHGQSSQGIIVETSEE-----GNSVPASQVAALTS 119
62 HOVLQNLVDILIEEVKSPGKEKTIQVPEAKAGFLRYISMQNLAVIPLLLDSTRT 121
120 KRSL-----VLMPE-----SSAEITV--CPETQLS-----SETPDL----- 150

QY 122 AAEFDTSPGLCKLKKY-----SG:IGANLYROSAMS-----FN 156
 Db 151 --EREVSPGSRDLDDVRIIMADKEVGNEDAKEVAIISFSSNOVSCPLCQCQPPRK 208
 QY 157 IYFHALVCAVLTNOETITAEQVKVLFEDDERSTDSQOCSEDEDI FEETAGVSPRRK 216
 Db 209 IEHNAVYCNGLMEDIVLTFRQKEAKTKSDSGT-----AAQTSIDIDK 251
 QY 217 EKQWMAARPLSLVQVSNADWVLYKRLKLCMELCNNTY-----QMHLLENCEBEP 271
 Db 252 NEKCY-----LCKSLVPPREYQCHVD--SCDQLAK 279
 QY 272 IFKGDFFILPSFOSESTPSTGFSGK-----ETPSEDDRSQSR-----EHMGESL 318
 Db 280 AAGD-----GPGSGGACSTVEGKQOQLKKEKCHSGRLLSLFEGSEHNTSDA 331
 QY 319 SLKAGGDLPLPPSPVKEKKPSRKKE 345
 Db 332 DIKSETGAFRVPSPGMEAGCSREMW 358

RESULT 10
 US-09-738-626-4700
 ; Sequence 4700, Application US/09738626
 ; Publication No. US20020197605A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NAKAGAWA, SATOSHI
 ; APPLICANT: MIZOGUCHI, HIROSHI
 ; APPLICANT: ANDO, SETKO
 ; APPLICANT: HAYASHI, MIKIRO
 ; APPLICANT: OCHIAI, KEIKO
 ; APPLICANT: YOKOI, HARUHIKO
 ; APPLICANT: TATEISHI, MAKOTO
 ; APPLICANT: SENOH, AKIHIRO
 ; APPLICANT: IKEDA, MASATO
 ; APPLICANT: OZAKI, AKIO
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 ; FILE REFERENCE: 249-125
 ; CURRENT APPLICATION NUMBER: US/09/738, 626
 ; PRIOR FILING DATE: 2000-12-18
 ; PRIOR APPLICATION NUMBER: JP 99/377484
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: JP 00/159162
 ; PRIOR FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: JP 00/280988
 ; PRIOR FILING DATE: 2000-08-03
 ; NUMBER OF SEQ ID NOS: 7059
 ; SOFTWARE: PatentIn ver. 3.0
 ; SEQ ID NO 4700
 ; LENGTH: 446
 ; TYPE: PRT
 ; ORGANISM: Corynebacterium glutamicum
 ; US-09-738-626-4700

Query Match 3.6%; Score 98; DB 11; Length 446;
 Best Local Similarity 21.1%; Pred. No. 2.2; Mismatches 149; Indels 152; Gaps 23;
 Matches 96; Conservative 59; Mismatches 149; Indels 152; Gaps 23;
 QY 125 FDTSPGLCKLKKVSGIGGANLYROSAMSENTIYFHALVCAV-----TNOETITAE 176
 Db 31 FEIAPERILITGASGAGKSTLL-----AALAGVIGSGDEGVSTELVDAAP 77
 QY 177 QVKKVLFEDDER-----STDSQOCSS--EDEDIFEETAG-----VSPRR-- 214
 Db 78 SIGLVQDPDSQVIAIRIGDVAFCENLQIPREELMPVERALELVGLDPLSHPTKYU 137
 QY 215 --GKER-----QWRARPLSLVQVSNAD-----VWVLVKRL 245
 Db 138 SGGQXRLALAGVIANGARILLD-EPTANLDPQGDVAAVDRVQETGALTIYVERH 196
 QY 246 HKICMELCNNTYQMHLLENCEBEPPIFKGDFFILPSFOSESTP-----STGCF 296

Db 197 HELMWNIIDRIISI--TDGEDVQPAELIKVQ-----LPGAQPSSTSKPLMWANDLCTWGL 251
 QY 297 SKEPTSEDDRSQSEHMG-----ESLSKAGGDLPLPPPKVKKO-----PSR 342
 Db 252 RSFEVP---EGASTVITGPNAGKSTLALTWGG--LPPKSGQLESLDTRGGLNTPH 305
 QY 343 KKEWENA--GNKIYTMADKTIISKLMTEYKKRKOQHNLAPKVEKKEGPELGRQ 400
 Db 306 K--WRSADLARIGTVQDPE-----HQFARVTRDELEIPIKMKVDAS----- 348
 QY 401 DSEPLQRFQHLMDQGMHRSFAGPELLRQDKRPPSGSGSSLSVSDPAEAOIQATMM 460
 Db 349 -----ERIELDRRLRLLENANPFTL-----SGGERLSVAAT----- 383
 QY 461 VLTVNOIQILPDQFTALQPAVPCISQLTCHVT 496
 Db 384 ALVAPKLLILDEPTF-GODPETTELYTMLRELT 418

RESULT 11
 US-09-982-091A-4
 ; Sequence 4, Application US/09982091A
 ; Patent No. US20020151030A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY
 ; APPLICANT: KUMAGAI, AKIKO
 ; APPLICANT: DUNPHY, WILLIAM
 ; TITLE OF INVENTION: CLASPIN PROTEINS AND METHODS OF USE THEREOF
 ; FILE REFERENCE: CITI320-1
 ; CURRENT APPLICATION NUMBER: US/09/982, 091A
 ; PRIOR FILING DATE: 2002-10-17
 ; PRIOR APPLICATION NUMBER: US 60/241, 246
 ; PRIOR FILING DATE: 2000-10-17
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 1332
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-982-091A-4

Query Match 3.6%; Score 98; DB 11; Length 1332;
 Best Local Similarity 20.4%; Pred. No. 11; Mismatches 124; Indels 108; Gaps 15;
 Matches 73; Conservative 53; Mismatches 124; Indels 108; Gaps 15;
 QY 168 TNOETITAEQVK--KVLFEEDDERSTDSQOCSEDEDI FEETAGVSPRRKXKQWRAM 225
 Db 46 SDEIFVSKKLNRKRLQDSDETDVNASPEKTTYDSAEENKENLYAGKNYK----- 99
 QY 226 PLLSVQVSNADWVLYKRLKLCMELCNNTYQMHLLEN-----CMEEPPIFKGDPF 278
 Db 100 -----IKKIYTVADSDSYMEKSLYQENLEAQVKPCLE----- 133
 QY 279 FILPSFOSESTPSTGFSGKETPSEDDRSQSEHMG-----GESLSKAGGDLPLPPSPK 334
 Db 134 ---LSLOSNGSTDF-----TDKSSSKKHIDKEGTAGAKAVYKSKRLKEKRRK 179
 QY 335 VEKQDSRKKEW-----WENAGNKIYTMADKTIISKLMTEYKKR--KQOHNL-----SA 381
 Db 180 MEKIRQLKKEKTRKQEDVDVEOPFNDSCGLLVKDLFETGLBENNSPLDESSLISRAA 239
 QY 382 FKREYVEKKGPEPLGRQDSFLLORPQHLMQGMHRSFSAPELLRQDKRPPSGSTGS 441
 Db 240 VKNKVKKKKKKP-----SLSSGV--HSFEESGSLSKGTRKERRAARL 281
 QY 442 SLSSVSDPAEAOIQATMMVL--TVINOIQIILPD-----OTFALOPAVFPCISQLTCH 493
 Db 282 S-----KEALKOLHSETQLRIRESALNLPYHMPENKTIHDFKRRK-----RPTCH 327

RESULT 12
 US-09-823-187-88
 ; Sequence 88, Application US/09823187

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; Publication No. US20030096952A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Catherine
; APPLICANT: Gusev, Vladimir Y
; APPLICANT: Liu, Xiaohong
; APPLICANT: Majumder, Kumud
; APPLICANT: Padigar, Muralidhar
; APPLICANT: Paturajan, Meera
; APPLICANT: Shinkets, Richard A
; APPLICANT: Spaderna, Steven K
; APPLICANT: Spytek, Kimberly
; APPLICANT: Taupier, Raymond J
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-745
; CURRENT APPLICATION NUMBER: US/09/823,187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/193,339
; PRIOR FILING DATE: 2000-03-30
; PRIOR APPLICATION NUMBER: 60/193,205
; PRIOR FILING DATE: 2000-03-30
; PRIOR APPLICATION NUMBER: 60/195,343
; PRIOR FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: 60/195,088
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/195,005
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/195,792
; PRIOR FILING DATE: 2000-04-10
; PRIOR APPLICATION NUMBER: 60/196,556
; PRIOR FILING DATE: 2000-04-11
; PRIOR APPLICATION NUMBER: 60/197,081
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: 60/197,525
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/197,087
; PRIOR FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 88
; LENGTH: 669
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-823-187-88.

Query Match
Best Local Similarity 18.6%; Score 97.5; DB 12; Length 669;
Matches 79; Conservative 57; Mismatches 125; Indels 163; Gaps 18;

QY 184 EDERSTDSQOCSSEDEDFEETAOVSPPR-----GKEKQWRAMPPLSLVQPVSNADM 238
DB 186 EEDSESPSESEKTSDDQFPEKKTA--ARPRRGPPLGRRKKK-----VPSADSD- 234
QY 239 VMLVRLKMLCMLCNNTYQMHLDLNCMEEPPIFGDPPFLIPSSQSSSTPTSGFGSG 298
DB 235 -----SKADSDGAKKEBPV-----TAQPSFSSSSSSSS 261
QY 299 KETPSDDRQSQRHMGESLSLKAGGDLPLPSPVYKKDPGRK----- 343
DB 262 SSSSSSDSVYKKRPPGRKRAEKP-----PPKPRGRKPPRPPSTSSSDSSDSGCV 314
QY 344 ---KEWENAGNKITYMAADKTIISKLMTEYKKRQOHNLSAPPEKVEK-----KGBPL 395
DB 315 DRISEV-----KRDEERRRRLERARRRREGEELRLRLGEEREKERKERAEKG 364
QY 396 GRGQ---DSPILQPPHLMDOGMHFS-----AGPELL----- 428
DB 365 GSGGELEDEEPYKKSRKARGKTPSSSDSEBEGELGKEGKLAKKSQLPSSSARKKG 424
QY 429 ---RODKRPPS-----GSTGSLSVVDAEAQIOAWTNMVLTVLNOIQLP 472
DB 425 QKEKGRPPKPPAKRVPVKVETRTKRSEGLS---RKGEKKKP-----SVEERLOKXH 475
QY 473 DQFTALQ---PAVFCISQL-----TCHVTD-----IRVQAVREWLGRV 510

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DB 476 SEIKRALKVDNDVKACLSALEELGTLQVTSILOKNTDVATLKIRRYKANKQVMACA 535
QY 511 GRVY 514
DB 536 AEVY 539

RESULT 13
US-09-764-864-823
; Sequence 823, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 823
; LENGTH: 759
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (18)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (19)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (21)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (257)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (299)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-764-864-823

Query Match
Best Local Similarity 19.1%; Score 96.5; DB 11; Length 759;
Matches 101; Conservative 84; Mismatches 184; Indels 159; Gaps 26;

QY 40 EKPNGHTKVSFR-----ELVSLSHOVLLOMLYDILLEFVKGPSP 83
DB 290 QKAMDHIEBXVSLKRCCKAAELVATHFSGHIEIVKKNQOVLLFRLSLDD-----PRE 344
QY 84 G---EKTIOVEBALAGFLKTIISQNLAVIFDL--LDVR-----TAREFDTSPGLK 132
DB 345 GHNVOELLOISPCITBQFIELLCQFNPTOVLETQVLECYRLTEITQITQYQJAEVTA 404
QY 133 CLKKTVSGIGGANLYROSAMSFNIFYHALVCALVTNGETTAFOVKVLLFEDDERSTDS 192
DB 405 YLLEKKGDHGF-----LIMLELOSKLQGEVTHQGEVT 438
QY 193 SOCCSSED-EDIFEETAOV---SPPRGEKRRQ--WRAMPPLSV-----QPVSNADWWL 241
DB 439 KEDPDLKQVEDTMTVETIALCQRNSHNLNQOQREALM---FLLBMMAPQKLSSS-----A 491
QY 242 VKRLH-----KLCMLCNNTYQMHLDLNCMEEPPIFGD-----PFLIPSPQS 286
DB 492 IPHLSSEAKSLTMQVLSMAAFIALPSILOITODPVYGGKGLGEIOGLILGMIDTFNY 551
QY 287 ESSTPST-----GGFSGKETPSED-----DRSQSRHMGESLSLKAG 323
DB 553 EGTLETTLTSLNODLHMSLCNLRLASVYRGJNPKQDYSGICQYKRGQMADEITVSC 611
QY 324 G---GDLPLPSPVYKKDPSRKKEWENAGNKITYMAADKTIISKLMTEYKKRQOHNLS 379

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Db 612 GHLHFSCLONKCEVTEFEGOTRTWCYKSSNKNV-----GLSENSSEIKKR----- 660
 QY 380 SAFFKEVKV-----EKKGEPLGPRGODSPLLOPPOHLMDOGMHSPSAGPEL-----LR 429
 Db 661 -ITPSQVKMSPSYHOSKGDPTAKKGTSEPLD-PQOIQADQCRLYRGSSRLALLTELS 718
 QY 430 QDK-----RPRSGSTGSSLSVSVDAEAOIQAWTNVLTVLNQIQILP 472
 Db 719 QNRSSSEYRPFPSGSGSAPAFNSIFONE-----NF-----QLQILP 753

RESULT 14

US-09-764-864-1161
 ; Sequence 1161, Application US/09764864
 ; Patent No. US20020132753A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PT223
 ; CURRENT APPLICATION NUMBER: US/09/764,864
 ; CURRENT FILING DATE: 2001-01-17
 ; Prior application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 1792
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 1161
 ; LENGTH: 555
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-764-864-1161

Query Match 3.6%; Score 96; DB 11; Length 555;
 Best Local Similarity 21.0%; Pred. No. 4.6;
 Matches 64; Conservative 46; Mismatches 113; Indels 82; Gaps 14;

QY 192 SSQOCS-----SEDEDIFETTAQVSPRGE---KRWARMPLLSQPVSNADWV 240
 Db 3 SMLQSMKKKVLSDSEDEKADVPGTSTRKRDHOPRRRLNRRAQSYDIQ-----AW 55
 QY 241 LVRLHLKLMELCNVYIQWHLDLNCEBPPIFKGDPPFILPSFQSESSPTSTGFSGKE 300
 Db 56 -----KKQCEELNLIFQ-----CEDSEPRQVLDLEYPDYRIDITPM----- 95
 QY 301 TSEDDRSQSRHMGESLSLKAGGDLILPPSPKVEKDP---SRKKEWENAGNKIYT 356
 Db 96 -----DFATVRE-----TLEAGNYE-----SPMELCKDVRLIFNSKAYTPSKRSRIYS 139
 QY 357 MAA-----DKTISKLMTEYKKRKQOHNLSAFPKEVKEKGEPLGPRGODSPLLOPQH 410
 Db 140 MSRLSAFPEEHISVSDYKSLRPHKKNITTKRRKKNRSSSVSSAASP-ERKKR 197
 QY 411 LMDQGMHRSFAGPELLRQDKRPRSGSTGSSLSVSVDAEAOIQAWT---NMVLTVLNQ 467
 Db 198 ILK-----PQL--KSSSTSAFSTPTRSIPPRHNAQINGKTSSSVVTRTSNR 244
 QY 468 IQILP 472
 Db 245 VVVDP 249

RESULT 15

US-09-764-864-1574
 ; Sequence 1574, Application US/09764864
 ; Patent No. US20020132753A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PT223
 ; CURRENT APPLICATION NUMBER: US/09/764,864
 ; CURRENT FILING DATE: 2001-01-17
 ; Prior application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 1792
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 1574

; LENGTH: 555
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-764-864-1574

Query Match 3.6%; Score 96; DB 11; Length 555;
 Best Local Similarity 21.0%; Pred. No. 4.6;
 Matches 64; Conservative 46; Mismatches 113; Indels 82; Gaps 14;

QY 192 SSQOCS-----SEDEDIFETTAQVSPRGE---KRWARMPLLSQPVSNADWV 240
 Db 3 SMLQSMKKKVLSDSEDEKADVPGTSTRKRDHOPRRRLNRRAQSYDIQ-----AW 55
 QY 241 LVRLHLKLMELCNVYIQWHLDLNCEBPPIFKGDPPFILPSFQSESSPTSTGFSGKE 300
 Db 56 -----KKQCEELNLIFQ-----CEDSEPRQVLDLEYPDYRIDITPM----- 95
 QY 301 TSEDDRSQSRHMGESLSLKAGGDLILPPSPKVEKDP---SRKKEWENAGNKIYT 356
 Db 96 -----DFATVRE-----TLEAGNYE-----SPMELCKDVRLIFNSKAYTPSKRSRIYS 139
 QY 357 MAA-----DKTISKLMTEYKKRKQOHNLSAFPKEVKEKGEPLGPRGODSPLLOPQH 410
 Db 140 MSRLSAFPEEHISVSDYKSLRPHKKNITTKRRKKNRSSSVSSAASP-ERKKR 197
 QY 411 LMDQGMHRSFAGPELLRQDKRPRSGSTGSSLSVSVDAEAOIQAWT---NMVLTVLNQ 467
 Db 198 ILK-----PQL--KSSSTSAFSTPTRSIPPRHNAQINGKTSSSVVTRTSNR 244
 QY 468 IQILP 472
 Db 245 VVVDP 249

Search completed: July 18, 2003, 19:36:20
 Job time : 65.1903 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:46 ; Search time 532.41 Seconds

(without alignments)
627,283 Million cell updates/sec

Title: US-09-991-681-27

Perfect score: 2698
Sequence: 1 RRRMAQGVFMDTCSPKTP.....YRAAVREMLGRVGRVYDIIV 518

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending_Patents_AA_Main:*

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2: /cgn2_6/ptodata/1/paa/US06_COMB.pep.*
3: /cgn2_6/ptodata/1/paa/US07_COMB.pep.*
4: /cgn2_6/ptodata/1/paa/US08_COMB.pep.*
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6: /cgn2_6/ptodata/1/paa/US082_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2698	100.0	518	23	US-09-991-681-27
2	2698	100.0	1770	25	US-10-144-198-44
3	2698	100.0	1807	1	PCT-US01-08631-40087
4	2698	100.0	1839	1	PCT-US01-42950-495
5	2698	100.0	2221	25	US-10-144-198-30
6	2588	95.9	1982	1	PCT-US01-08631-40090

7	2425	89.9	467	12	US-08-842-385-6	Sequence 6, Appl
8	982	36.4	192	20	US-09-623-791-87	Sequence 87, Appl
9	982	36.4	192	20	US-09-623-791A-87	Sequence 87, Appl
10	451	16.7	141	26	US-10-221-279-7783	Sequence 7783, Ap
11	260	9.6	49	12	US-08-842-385-10	Sequence 10, Appl
12	260	9.6	49	12	US-09-991-681-31	Sequence 31, Appl
13	255	9.5	50	1	PCT-US01-08631-40088	Sequence 40088, A
14	216	8.0	41	12	US-08-842-385-7	Sequence 7, Appl
15	216	8.0	41	12	US-09-991-681-28	Sequence 28, Appl
16	215	8.0	40	12	US-08-842-385-9	Sequence 9, Appl
17	215	8.0	40	23	US-09-991-681-30	Sequence 30, Appl
18	180	6.7	35	12	US-08-842-385-8	Sequence 8, Appl
19	180	6.7	35	23	US-09-991-681-29	Sequence 29, Appl
20	177.5	6.6	2026	27	US-60-167-217-12644	Sequence 12644, A
21	177.5	6.6	2045	27	US-09-614-150-12615	Sequence 12615, A
22	177.5	6.6	2045	27	US-60-173-464-10275	Sequence 10275, A
23	177.5	6.6	2045	27	US-60-191-637-12650	Sequence 12650, A
24	177.5	6.6	2045	27	US-60-191-681-9352	Sequence 9352, Ap
25	133	4.9	665	20	US-09-614-150-19728	Sequence 19728, A
26	133	4.9	665	27	US-60-191-637-19790	Sequence 19790, A
27	133	4.9	665	27	US-60-191-681-15605	Sequence 15605, A
28	133	4.9	687	27	US-60-161-932-1817	Sequence 1817, Ap
29	133	4.9	687	27	US-60-167-217-19874	Sequence 19874, A
30	133	4.9	687	27	US-60-173-464-16217	Sequence 16217, A
31	126.5	4.7	1301	27	US-60-161-932-1520	Sequence 1520, Ap
32	122	4.5	1607	27	US-60-167-324-2192	Sequence 2192, Ap
33	122	4.5	1607	27	US-60-173-386-1957	Sequence 1957, Ap
34	122	4.5	1607	27	US-60-175-871-2185	Sequence 2185, Ap
35	122	4.5	1607	27	US-60-184-775-1996	Sequence 1996, Ap
36	122	4.5	1657	20	US-09-614-150-12885	Sequence 12885, A
37	118	4.4	1005	18	US-09-417-507-42207	Sequence 42207, A
38	115.5	4.3	342	21	US-09-791-537-54589	Sequence 54589, A
39	115	4.3	748	27	US-60-258-273-127	Sequence 127, App
40	113.5	4.2	743	21	US-09-798-771-32	Sequence 32, App
41	113.5	4.2	871	25	US-10-179-131-7860	Sequence 7860, Ap
42	113.5	4.2	873	25	US-10-179-131-10060	Sequence 10060, A
43	113.5	4.2	877	21	US-09-798-771-32	Sequence 32, Appl
44	113.5	4.2	908	21	US-09-798-771-10	Sequence 10, Appl
45	113.5	4.2	909	21	US-09-798-771-22	Sequence 22, Appl

ALIGNMENTS

RESULT 1
US-09-991-681-27
Sequence 27, Application US/09991681
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN
GRANDOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAPP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0

```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084, US, P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 518 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-991-681-27

Query Match
Best Local Similarity 100.0%; Score 2698; DB 23; Length 518;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRAMAQOVFMDTQCSPTKPNPFDAQSCOLIIELEPPDEKNGHTKKSVPREIVSL 60
DB 1 RIRAMAQOVFMDTQCSPTKPNPFDAQSCOLIIELEPPDEKNGHTKKSVPREIVSL 60
QY 61 SHOVLQNLVDILLEEYKGPSPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYR 120
DB 61 SHOVLQNLVDILLEEYKGPSPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYR 120
QY 121 TAREFDTSFGLKCLLKRVSGIGGAANLYROSAMSFNIYFHALVCAVLTNOETTTAEQVK 180
DB 121 TAREFDTSFGLKCLLKRVSGIGGAANLYROSAMSFNIYFHALVCAVLTNOETTTAEQVK 180
QY 181 VLFEDDERSTDSQQCSSEDEDIFEEETAQVSPRGKEKQWRAMPPLSVQVSNADWV 240
DB 181 VLFEDDERSTDSQQCSSEDEDIFEEETAQVSPRGKEKQWRAMPPLSVQVSNADWV 240
QY 241 LVKRLHKLQMLCNNTYQMHLDLENCEBPIFKGDPFILLPSFQSSSTPSTGFSGKE 300
DB 241 LVKRLHKLQMLCNNTYQMHLDLENCEBPIFKGDPFILLPSFQSSSTPSTGFSGKE 300
QY 301 TPSEDDRSQSRHEHGESLSLKAGGGDLLLPSPKVEKKDPSRKKEWENAGNKIYTMAD 360
DB 301 TPSEDDRSQSRHEHGESLSLKAGGGDLLLPSPKVEKKDPSRKKEWENAGNKIYTMAD 360
QY 361 KTISKMTETKRRKQOHNLSAFPEKVEYKKEGPELGRGQDSPILQRPQHLMDQGMRRS 420
DB 361 KTISKMTETKRRKQOHNLSAFPEKVEYKKEGPELGRGQDSPILQRPQHLMDQGMRRS 420
QY 421 FSAGPELLRQDKRPRSGSTGSSLSVSRDAEAQIQAMTNMVLTVLNOIQILPDQFTALQ 480
DB 421 FSAGPELLRQDKRPRSGSTGSSLSVSRDAEAQIQAMTNMVLTVLNOIQILPDQFTALQ 480
QY 481 PAVFPCISQLTCHVTDIRVQAVREWLGRGVYDITV 518
DB 481 PAVFPCISQLTCHVTDIRVQAVREWLGRGVYDITV 518

RESULT 2
US-10-144-198-44
; Sequence 44, Application US/10144198
; GENERAL INFORMATION:
; APPLICANT: Origene Technologies Inc
; TITLE OF INVENTION: Regulated Prostate Cance Genes
; FILE REFERENCE: 90 105 R1
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CURRENT APPLICATION NUMBER: US/10/144,198
CURRENT FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 44
SOFTWARE: PatentIn version 3.0
SEQ ID NO 44
LENGTH: 1770
TYPE: PRT
ORGANISM: Homo sapiens
US-10-144-198-44

Query Match
Best Local Similarity 100.0%; Score 2698; DB 25; Length 1770;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 SHOVLQNLVDILLEEYKGPSPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYR 120
DB 1313 SHOVLQNLVDILLEEYKGPSPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYR 1372
QY 121 TAREFDTSFGLKCLLKRVSGIGGAANLYROSAMSFNIYFHALVCAVLTNOETTTAEQVK 180
DB 1373 TAREFDTSFGLKCLLKRVSGIGGAANLYROSAMSFNIYFHALVCAVLTNOETTTAEQVK 1432
QY 181 VLFEDDERSTDSQQCSSEDEDIFEEETAQVSPRGKEKQWRAMPPLSVQVSNADWV 240
DB 1433 VLFEDDERSTDSQQCSSEDEDIFEEETAQVSPRGKEKQWRAMPPLSVQVSNADWV 1492
QY 241 LVKRLHKLQMLCNNTYQMHLDLENCEBPIFKGDPFILLPSFQSSSTPSTGFSGKE 300
DB 1493 LVKRLHKLQMLCNNTYQMHLDLENCEBPIFKGDPFILLPSFQSSSTPSTGFSGKE 1552
QY 301 TPSEDDRSQSRHEHGESLSLKAGGGDLLLPSPKVEKKDPSRKKEWENAGNKIYTMAD 360
DB 1553 TPSEDDRSQSRHEHGESLSLKAGGGDLLLPSPKVEKKDPSRKKEWENAGNKIYTMAD 1612
QY 361 KTISKMTETKRRKQOHNLSAFPEKVEYKKEGPELGRGQDSPILQRPQHLMDQGMRRS 420
DB 1613 KTISKMTETKRRKQOHNLSAFPEKVEYKKEGPELGRGQDSPILQRPQHLMDQGMRRS 1672
QY 421 FSAGPELLRQDKRPRSGSTGSSLSVSRDAEAQIQAMTNMVLTVLNOIQILPDQFTALQ 480
DB 1673 FSAGPELLRQDKRPRSGSTGSSLSVSRDAEAQIQAMTNMVLTVLNOIQILPDQFTALQ 1732
QY 481 PAVFPCISQLTCHVTDIRVQAVREWLGRGVYDITV 518
DB 1733 PAVFPCISQLTCHVTDIRVQAVREWLGRGVYDITV 1770

RESULT 3
PCT-US01-08631-40087
; Sequence 40087, Application PC/TUS0108631
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 40087
; LENGTH: 1807
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (48) .. (62)
```


OTHER INFORMATION: Fusion glycoprotein F0 domain identified by eMATRIX,
OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39
NAME/KEY: DOMAIN
LOCATION: (941)..(950)
OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40087

Query Match 100.0%; Score 2698; DB 1; Length 1807;
Best Local Similarity 100.0%; Pred. No. 5,8e-240;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRAMAQQVFMLDTCSPKTPNNFDHAQSCQLIIELPDEKPNHGHTKKSVSFREIVSLL 60
DB 1290 RIRAMAQQVFMLDTCSPKTPNNFDHAQSCQLIIELPDEKPNHGHTKKSVSFREIVSLL 1349
QY 61 SHQVLLQNLVDLLEEFVKGPSGEEKTIQVPEAKLAGFLRYISMQNLAVIFDILLDSYR 120
DB 1350 SHQVLLQNLVDLLEEFVKGPSGEEKTIQVPEAKLAGFLRYISMQNLAVIFDILLDSYR 1409
QY 121 TAREPDTSPGLKCLLKVKVSGIGGAANLYROSAMSFNIYFHALVCALVTNOETITAEQYK 180
DB 1410 TAREPDTSPGLKCLLKVKVSGIGGAANLYROSAMSFNIYFHALVCALVTNOETITAEQYK 1469
QY 181 VLFEDDERSTDSQOCSSSEDEDIFEEETAQVSPPRGKEKQWRAMPPLISVQPVSNADWV 240
DB 1470 VLFEDDERSTDSQOCSSSEDEDIFEEETAQVSPPRGKEKQWRAMPPLISVQPVSNADWV 1529
QY 241 LVKRLHKLMEICNNYIQMHLDLENCEBPPIFKGDPFFILPSFQSESTSTPGSGSGKE 300
DB 1530 LVKRLHKLMEICNNYIQMHLDLENCEBPPIFKGDPFFILPSFQSESTSTPGSGSGKE 1589
QY 301 TSEDDRSQSRHEHMGESLSLAKAGGDLPLPSPKVEKQPSRKKEWENAGNKIYTMAD 360
DB 1590 TSEDDRSQSRHEHMGESLSLAKAGGDLPLPSPKVEKQPSRKKEWENAGNKIYTMAD 1649
QY 361 KTISKLTMEYKKRQKQHNLSAFPKEVKEKGPGLRGDPSPLQRPQHLMDQGMHS 420
DB 1650 KTISKLTMEYKKRQKQHNLSAFPKEVKEKGPGLRGDPSPLQRPQHLMDQGMHS 1709
QY 421 FSAGPELLRQDKRPPSGTSSLSVSRDAEQIQMTMVLTVLNOIQILPDQFTALQ 480
DB 1710 FSAGPELLRQDKRPPSGTSSLSVSRDAEQIQMTMVLTVLNOIQILPDQFTALQ 1769
QY 481 PAVFPCISQLTCHVTDIRVROAVREMLGRVGRVYDIIV 518
DB 1770 PAVFPCISQLTCHVTDIRVROAVREMLGRVGRVYDIIV 1807

RESULT 4
PCT-US01-42950-495
Sequence 495, Application PC/TUS0142950
GENERAL INFORMATION:
APPLICANT: HySeq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-096
CURRENT APPLICATION NUMBER: PCT/US01/42950
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 09/714,936
NUMBER OF SEQ ID NOS: 682
SOFTWARE: Patentin version 3.0
SEQ ID NO 495
LENGTH: 1839
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US01-42950-495

Query Match 100.0%; Score 2698; DB 1; Length 1839;
Best Local Similarity 100.0%; Pred. No. 5,9e-240;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRAMAQQVFMLDTCSPKTPNNFDHAQSCQLIIELPDEKPNHGHTKKSVSFREIVSLL 60

DB 1322 RIRAMAQQVFMLDTCSPKTPNNFDHAQSCQLIIELPDEKPNHGHTKKSVSFREIVSLL 1381
QY 61 SHQVLLQNLVDLLEEFVKGPSGEEKTIQVPEAKLAGFLRYISMQNLAVIFDILLDSYR 120
DB 1382 SHQVLLQNLVDLLEEFVKGPSGEEKTIQVPEAKLAGFLRYISMQNLAVIFDILLDSYR 1441
QY 121 TAREPDTSPGLKCLLKVKVSGIGGAANLYROSAMSFNIYFHALVCALVTNOETITAEQYK 180
DB 1442 TAREPDTSPGLKCLLKVKVSGIGGAANLYROSAMSFNIYFHALVCALVTNOETITAEQYK 1501
QY 181 VLFEDDERSTDSQOCSSSEDEDIFEEETAQVSPPRGKEKQWRAMPPLISVQPVSNADWV 240
DB 1502 VLFEDDERSTDSQOCSSSEDEDIFEEETAQVSPPRGKEKQWRAMPPLISVQPVSNADWV 1561
QY 241 LVKRLHKLMEICNNYIQMHLDLENCEBPPIFKGDPFFILPSFQSESTSTPGSGSGKE 300
DB 1562 LVKRLHKLMEICNNYIQMHLDLENCEBPPIFKGDPFFILPSFQSESTSTPGSGSGKE 1621
QY 301 TSEDDRSQSRHEHMGESLSLAKAGGDLPLPSPKVEKQPSRKKEWENAGNKIYTMAD 360
DB 1622 TSEDDRSQSRHEHMGESLSLAKAGGDLPLPSPKVEKQPSRKKEWENAGNKIYTMAD 1681
QY 361 KTISKLTMEYKKRQKQHNLSAFPKEVKEKGPGLRGDPSPLQRPQHLMDQGMHS 420
DB 1682 KTISKLTMEYKKRQKQHNLSAFPKEVKEKGPGLRGDPSPLQRPQHLMDQGMHS 1741
QY 421 FSAGPELLRQDKRPPSGTSSLSVSRDAEQIQMTMVLTVLNOIQILPDQFTALQ 480
DB 1742 FSAGPELLRQDKRPPSGTSSLSVSRDAEQIQMTMVLTVLNOIQILPDQFTALQ 1801
QY 481 PAVFPCISQLTCHVTDIRVROAVREMLGRVGRVYDIIV 518
DB 1802 PAVFPCISQLTCHVTDIRVROAVREMLGRVGRVYDIIV 1839

RESULT 5
US-10-144-198-30
Sequence 30, Application US/10144198
GENERAL INFORMATION:
APPLICANT: Origene Technologies Inc
TITLE OF INVENTION: Regulated Cance Genes
FILE REFERENCE: 9U 105 R1
CURRENT APPLICATION NUMBER: US/10/144,198
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 44
SOFTWARE: Patentin version 3.0
SEQ ID NO 30
LENGTH: 2221
TYPE: PRT
ORGANISM: Homo sapiens
US-10-144-198-30

Query Match 100.0%; Score 2698; DB 25; Length 2221;
Best Local Similarity 100.0%; Pred. No. 8e-240;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RIRAMAQQVFMLDTCSPKTPNNFDHAQSCQLIIELPDEKPNHGHTKKSVSFREIVSLL 60
DB 1704 RIRAMAQQVFMLDTCSPKTPNNFDHAQSCQLIIELPDEKPNHGHTKKSVSFREIVSLL 1763
QY 61 SHQVLLQNLVDLLEEFVKGPSGEEKTIQVPEAKLAGFLRYISMQNLAVIFDILLDSYR 120
DB 1764 SHQVLLQNLVDLLEEFVKGPSGEEKTIQVPEAKLAGFLRYISMQNLAVIFDILLDSYR 1823
QY 121 TAREPDTSPGLKCLLKVKVSGIGGAANLYROSAMSFNIYFHALVCALVTNOETITAEQYK 180
DB 1824 TAREPDTSPGLKCLLKVKVSGIGGAANLYROSAMSFNIYFHALVCALVTNOETITAEQYK 1883
QY 181 VLFEDDERSTDSQOCSSSEDEDIFEEETAQVSPPRGKEKQWRAMPPLISVQPVSNADWV 240
DB 1884 VLFEDDERSTDSQOCSSSEDEDIFEEETAQVSPPRGKEKQWRAMPPLISVQPVSNADWV 1943

QY 241 LVRLHKLQMLCNVNIQMLDLLENCEBPPIFKGDFFILPSFOSSESTPTSGFSGKE 300
DB 1944 LVRLHKLQMLCNVNIQMLDLLENCEBPPIFKGDFFILPSFOSSESTPTSGFSGKE 2003
QY 301 TSEDDRSOSREHMGESLSLKAGGDLPLPPSPVEKKDPSRKKEWENGNKIYTMAD 360
DB 2004 TSEDDRSOSREHMGESLSLKAGGDLPLPPSPVEKKDPSRKKEWENGNKIYTMAD 2063
QY 361 KTISKLMTEYKKRQKHNLISAFPEKVEYKKEPGLGPRGODSPLLORPQHLMDQGMRS 420
DB 2064 KTISKLMTEYKKRQKHNLISAFPEKVEYKKEPGLGPRGODSPLLORPQHLMDQGMRS 2123
QY 421 FSAGPELLRQDKRPRSGTSSLSVSRDAEAOIQAMTNMVLTVLNOIQILPDQFTALQ 480
DB 2124 FSAGPELLRQDKRPRSGTSSLSVSRDAEAOIQAMTNMVLTVLNOIQILPDQFTALQ 2183
QY 481 PAVFPCISQLTCHVTDIRVROAVREMLGRVGRVYDIIV 518
DB 2184 PAVFPCISQLTCHVTDIRVROAVREMLGRVGRVYDIIV 2221

RESULT 6

PCT-US01-08631-40090
; Sequence 40090, Application PC/TUS0108631
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-049
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 40090
; LENGTH: 1982
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (11)..(25)
; OTHER INFORMATION: Fusion glycoprotein F0 domain identified by EMATRIX,
; OTHER INFORMATION: accession number PF00523D, p-value=7.188e-10, raw score of 11.39
; LOCATION: (1065)..(1074)
; OTHER INFORMATION: Helper component proteinase domain identified by Pfam,
; OTHER INFORMATION: accession name Peptidase_C6, E-value=0.0056, Pfam score of 7.9
PCT-US01-08631-40090

Query Match 95.9%; Score 2588; DB 1; Length 1982;
Best Local Similarity 99.2%; Pred. NO. 1.1e-229;
Matches 499; Conservative 0; Mismatches 0; Indels 4; Gaps 1;

QY 1 RIRAMAQOVMLDPTQCSPTKPNNDHAQSCOLIILPDPKPNHGTKTSVFPRIIVSL 60
DB 1408 RIRAMAQOVMLDPTQCSPTKPNNDHAQSCOLIILPDPKPNHGTKTSVFPRIIVSL 1463
QY 61 SHOVLONLYDILIEEFVKGPSPEEKTIOVPEAKLAGFLRYISMQNLAVIFDILLDSYR 120
DB 1464 SHOVLONLYDILIEEFVKGPSPEEKTIOVPEAKLAGFLRYISMQNLAVIFDILLDSYR 1523
QY 121 TAREFDTSPLGLKCLLKKVSGIGGANLYROSAMSFNIYFHALVCAVLTNETTITAEVKK 180
DB 1524 TAREFDTSPLGLKCLLKKVSGIGGANLYROSAMSFNIYFHALVCAVLTNETTITAEVKK 1583
QY 181 VFEDDERSTDSQOCSEDEDEIFEETAQVSPRGKEKQWRAMPPLSLVQPVSNADWV 240
DB 1584 VFEDDERSTDSQOCSEDEDEIFEETAQVSPRGKEKQWRAMPPLSLVQPVSNADWV 1643
QY 241 LVRLHKLQMLCNVNIQMLDLLENCEBPPIFKGDFFILPSFOSSESTPTSGFSGKE 300

DB 1644 LVRLHKLQMLCNVNIQMLDLLENCEBPPIFKGDFFILPSFOSSESTPTSGFSGKE 1703
QY 301 TSEDDRSOSREHMGESLSLKAGGDLPLPPSPVEKKDPSRKKEWENGNKIYTMAD 360
DB 1704 TSEDDRSOSREHMGESLSLKAGGDLPLPPSPVEKKDPSRKKEWENGNKIYTMAD 1763
QY 361 KTISKLMTEYKKRQKHNLISAFPEKVEYKKEPGLGPRGODSPLLORPQHLMDQGMRS 420
DB 1764 KTISKLMTEYKKRQKHNLISAFPEKVEYKKEPGLGPRGODSPLLORPQHLMDQGMRS 1823
QY 421 FSAGPELLRQDKRPRSGTSSLSVSRDAEAOIQAMTNMVLTVLNOIQILPDQFTALQ 480
DB 1824 FSAGPELLRQDKRPRSGTSSLSVSRDAEAOIQAMTNMVLTVLNOIQILPDQFTALQ 1883
QY 481 PAVFPCISQLTCHVTDIRVROAV 503
DB 1884 PAVFPCISQLTCHVTDIRVROAV 1906

RESULT 7

US-08-842-385-6
; Sequence 6, Application US/08842385
; GENERAL INFORMATION:
; APPLICANT: Russell, John
; APPLICANT: Colpitts, Tracey
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASE OF THE PROSTATE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESSES:
; ADDRESSES: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,385
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Potembski, Priscilla E
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 6084, US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/937-6365
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 467 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: None
US-08-842-385-6

Query Match 89.9%; Score 2425; DB 12; Length 467;
Best Local Similarity 100.0%; Pred. NO. 1.5e-215;
Matches 467; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 FREIVVLSHQVLONLYDILIEEFVKGPSPEEKTIOVPEAKLAGFLRYISMQNLAVI 111
DB 1 FREIVVLSHQVLONLYDILIEEFVKGPSPEEKTIOVPEAKLAGFLRYISMQNLAVI 60
QY 112 FDLILDYRTAREFDTSPLGLKCLLKKVSGIGGANLYROSAMSFNIYFHALVCAVLTNOE 171

```

Db      61  FLLLDSTYRTAREFTDTSPEGLKCLKKVSGIGGAANLYROSAMSFNIFHALVCAVLTNQOE 120
        172  TTTAEQVKVLFEDDERSTDSOQCSSEDEDIFEEETAQVSPRGKCKRQWRARMPPLSLVQ 231
Qy      121  TTTAEQVKVLFEDDERSTDSOQCSSEDEDIFEEETAQVSPRGKCKRQWRARMPPLSLVQ 180
Db      232  PVSNAWDWLVRLHKLCEMLCNNTYIQMHLDELNCMEEPPIFKGDPFFILPSFQSSSTP 291
        181  PVSNAWDWLVRLHKLCEMLCNNTYIQMHLDELNCMEEPPIFKGDPFFILPSFQSSSTP 240
Qy      222  STGGSGKCTPSEDDRSQSRHMGESLSLKAGGDLILPPSRKVEKQDSRKKEWENAG 351
        241  STGGSGKCTPSEDDRSQSRHMGESLSLKAGGDLILPPSRKVEKQDSRKKEWENAG 300
Qy      352  NKIYMAADKTSKLTETKRRKQOHNLAFKVEYVEKKGEPPLGRQDPSPLQRPOTL 411
        301  NKIYMAADKTSKLTETKRRKQOHNLAFKVEYVEKKGEPPLGRQDPSPLQRPOTL 360
Qy      412  MDQGMRSFSAGPELLRQDKRPRSGSTGSSLSVSVRDAEAQIOAWTNVLTVLNQIQL 471
        361  MDQGMRSFSAGPELLRQDKRPRSGSTGSSLSVSVRDAEAQIOAWTNVLTVLNQIQL 420
Qy      472  PQOTFTALQPAVPCISQLTCHVTDIRVQAVREMLGRVGRVYDITV 518
        421  PQOTFTALQPAVPCISQLTCHVTDIRVQAVREMLGRVGRVYDITV 467
Db

```

RESULT 8

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US-09-623-791-87
; Sequence 87, Application US/09623791
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKI, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM PROSTATE TUMOR TISSUE
; FILE REFERENCE: ALBRE 11
; CURRENT APPLICATION NUMBER: US/09/623,791
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/DE99/00721
; PRIOR FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 201
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 192
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-791-87

```

```

Query Match      36.4%; Score 982; DB 20; Length 192;
Best Local Similarity 100.0%; Pred. No. 4.4e-82;
Matches 192; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      5  MAQOVFMDLTQCSPTKPNPFDAOSCOLIIELPDEKNGHTKKSVSFEIIVSLSHOV 64
        1  MAQOVFMDLTQCSPTKPNPFDAOSCOLIIELPDEKNGHTKKSVSFEIIVSLSHOV 60
Db      65  LLQNTYDILLEEFVKGSPGSEKTIQVPEAKLAGFLRYISMONLAVIFDILLDSYRTARE 124
        61  LLQNTYDILLEEFVKGSPGSEKTIQVPEAKLAGFLRYISMONLAVIFDILLDSYRTARE 120
Qy      125  FDTSPGLKCLKKVSGIGGAANLYROSAMSFNIFHALVCAVLTNQETTTAEQVKVLF 184
        121  FDTSPGLKCLKKVSGIGGAANLYROSAMSFNIFHALVCAVLTNQETTTAEQVKVLF 180
Qy      185  DDERSTDSOQC 196
        181  DDERSTDSOQC 192
Db

```

```

RESULT 9
US-09-623-791A-87
; Sequence 87, Application US/09623791A
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKI, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM PROSTATE TUMOR TISSUE
; FILE REFERENCE: ALBRE 11
; CURRENT APPLICATION NUMBER: US/09/623,791A
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: PCT/DE99/00721
; PRIOR FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 201
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 192
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-791A-87

```

```

Query Match      36.4%; Score 982; DB 20; Length 192;
Best Local Similarity 100.0%; Pred. No. 4.4e-82;
Matches 192; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      5  MAQOVFMDLTQCSPTKPNPFDAOSCOLIIELPDEKNGHTKKSVSFEIIVSLSHOV 64
        1  MAQOVFMDLTQCSPTKPNPFDAOSCOLIIELPDEKNGHTKKSVSFEIIVSLSHOV 60
Db      65  LLQNTYDILLEEFVKGSPGSEKTIQVPEAKLAGFLRYISMONLAVIFDILLDSYRTARE 124
        61  LLQNTYDILLEEFVKGSPGSEKTIQVPEAKLAGFLRYISMONLAVIFDILLDSYRTARE 120
Qy      125  FDTSPGLKCLKKVSGIGGAANLYROSAMSFNIFHALVCAVLTNQETTTAEQVKVLF 184
        121  FDTSPGLKCLKKVSGIGGAANLYROSAMSFNIFHALVCAVLTNQETTTAEQVKVLF 180
Qy      185  DDERSTDSOQC 196
        181  DDERSTDSOQC 192
Db

```

RESULT 10

```

US-10-221-279-7783
; Sequence 7783, Application US/10221279
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-046
; CURRENT APPLICATION NUMBER: US/10/221,279
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 09/574,454
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: 09/519,705
; PRIOR FILING DATE: 2000-03-07
; NUMBER OF SEQ ID NOS: 12360
; SOFTWARE: Custom
; SEQ ID NO 7783
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(141)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-221-279-7783

```

```

Query Match      16.7%; Score 451; DB 26; Length 141;
Best Local Similarity 87.9%; Pred. No. 5.9e-33;
Matches 87; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

```

QY 278 FILIPFQSSSTPSTGSGFSGKETPSRSDRSOSREHMGESLSLKAGGDLILPSPVYK 337
DB 42 FHAPPRGRRCRCPSTGFCGKETPSRDDDSOSREHMGESLSLKAGGDLILPSPVYK 101

QY 338 KDPKRKKEWENAGNKIYMAADKTSKLTMYKRRKQ 376
DB 102 KDPKRKKEWENAGNKIYMAADKTSKLTMYKRRKQ 140

RESULT 11

US-08-842-385-10
Sequence 10, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
TITLE OF INVENTION: Colpitts, Tracey
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842.385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Porembek, Priscilla E
REGISTRATION NUMBER: 33,297
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-10

Query Match 9.6%; Score 260; DB 12; Length 49;
Best Local Similarity 100.0%; Pred. No. 6e-16;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 393 EPLGPRGQDSPLLRQPHLMDQGMHRSFSAPELLRQDKRRPSGSGTGS 441
DB 1 EPLGPRGQDSPLLRQPHLMDQGMHRSFSAPELLRQDKRRPSGSGTGS 49

RESULT 12

US-09-991-681-31
Sequence 31, Application US/09991681
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GORDON, JULIAN

GRANADOS, EDWARD N.
HODGES, STEVEN C.
KASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAPP, LISA

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991.681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065.383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-991-681-31

Query Match 9.6%; Score 260; DB 23; Length 49;
Best Local Similarity 100.0%; Pred. No. 6e-16;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 393 EPLGPRGQDSPLLRQPHLMDQGMHRSFSAPELLRQDKRRPSGSGTGS 441
DB 1 EPLGPRGQDSPLLRQPHLMDQGMHRSFSAPELLRQDKRRPSGSGTGS 49

RESULT 13

PCT-US01-08631-40088
Sequence 40088, Application PC/TUS0108631
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 21272-049
CURRENT APPLICATION NUMBER: PCT/US01/08631
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 40088
LENGTH: 50
TYPE: PRT
ORGANISM: Homo sapiens

PCT-US01-08631-40088

Query Match 9.5%; Score 255; DB 1; Length 50;
Best Local Similarity 98.0%; Pred No. 1.8e-15;
Matches 49; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 460 MVLTVLNLQIQLPDQFTALQAPVPCISQLTCHVTDIRQAVREWLGR 509
DB 1 MVLTVLNLQIQLPDQFTALQAPVPCISQLTCHVTDIRQAVREWLGR 50

RESULT 14

US-08-842-385-7
Sequence 7, Application US/08842385
GENERAL INFORMATION:
APPLICANT: Russell, John
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE PROSTATE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,385
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Potembski, Priscilla E
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 6084.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/937-6365
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
US-08-842-385-7
Query Match 8.0%; Score 216; DB 12; Length 41;
Best Local Similarity 100.0%; Pred No. 5.5e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 184 EDDERSTDSQOCCSSEDEDIFETIAQVSPPRGKEKRWRRAR 224
DB 1 EDDERSTDSQOCCSSEDEDIFETIAQVSPPRGKEKRWRRAR 41

RESULT 15

US-09-991-681-28
Sequence 28, Application US/09991681
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.

GORDON, JULIAN
GRANADOS, EDWARD N.
HODGES, STEVEN C.
KLASS, MICHAEL R.
KRATOCHVIL, JON D.
ROBERTS-RAPP, LISA
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/991,681
FILING DATE: 26-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,383
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6084.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: None
SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-991-681-28

QY 184 EDDERSTDSQOCCSSEDEDIFETIAQVSPPRGKEKRWRRAR 224
DB 1 EDDERSTDSQOCCSSEDEDIFETIAQVSPPRGKEKRWRRAR 41
Query Match 8.0%; Score 216; DB 23; Length 41;
Best Local Similarity 100.0%; Pred. No. 5.5e-12;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Search completed: July 18, 2003, 19:34:51
Job time : 535.41 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 18, 2003, 19:21:51 ; Search time 151.684 Seconds
(without alignments)
902.695 Million cell updates/sec

Title: US-09-991-681-27

Perfect score: 2698
Sequence: 1 RIRAAQGVFMDTCCSPKT.....VQAVREWLGRVYDIIV 518

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1232328 seqs, 264332421 residues

Total number of hits satisfying chosen parameters: 1232328

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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14: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2698	100.0	1770	2 PCT-US03-01943-44	Sequence 44, Appl
2	2698	100.0	1839	12 US-10-416-993-495	Sequence 495, App
3	2698	100.0	1872	2 PCT-US03-04508-32	Sequence 32, Appl
4	2698	100.0	1872	11 US-10-367-978-32	Sequence 32, Appl
5	2698	100.0	2221	2 PCT-US03-01943-30	Sequence 30, Appl
6	982	36.4	192	12 US-10-131-487A-87	Sequence 87, Appl
7	113.5	4.2	743	12 US-10-309-422-34	Sequence 34, Appl
8	113.5	4.2	877	12 US-10-309-422-32	Sequence 32, Appl
9	113.5	4.2	908	12 US-10-309-422-10	Sequence 10, Appl
10	113.5	4.2	909	12 US-10-309-422-22	Sequence 22, Appl
11	113.5	4.2	1042	12 US-10-309-422-8	Sequence 8, Appl
12	113.5	4.2	1043	12 US-10-309-422-20	Sequence 20, Appl
13	113	4.2	1327	14 US-60-452-680-23640	Sequence 23640, A
14	112	4.2	921	14 US-60-453-135-24699	Sequence 24699, A
15	112	4.2	921	14 US-60-453-135-15362	Sequence 15362, A
16	112	4.2	921	14 US-60-453-050-15362	Sequence 15362, A
17	112	4.2	921	14 US-60-456-412-15362	Sequence 15362, A
18	111	4.1	1148	14 US-60-452-680-23097	Sequence 23097, A
19	111	4.1	1189	11 US-10-273-573-8991	Sequence 8991, Ap

20	110	4.1	789	10 US-09-724-676-56580	Sequence 56580, A
21	110	4.1	789	10 US-09-724-676A-56580	Sequence 56580, A
22	110	4.1	792	12 US-10-309-422-18	Sequence 38, Appl
23	110	4.1	827	12 US-10-309-422-42	Sequence 42, Appl
24	110	4.1	828	2 PCT-US03-06803-26	Sequence 26, Appl
25	110	4.1	926	12 US-10-309-422-36	Sequence 36, Appl
26	110	4.1	957	12 US-10-309-422-14	Sequence 14, Appl
27	110	4.1	958	12 US-10-309-422-26	Sequence 26, Appl
28	110	4.1	961	12 US-10-309-422-40	Sequence 40, Appl
29	110	4.1	992	12 US-10-309-422-18	Sequence 18, Appl
30	110	4.1	993	12 US-10-309-422-30	Sequence 30, Appl
31	110	4.1	1091	12 US-10-309-422-12	Sequence 12, Appl
32	110	4.1	1092	12 US-10-309-422-24	Sequence 24, Appl
33	110	4.1	1126	12 US-10-309-422-16	Sequence 16, Appl
34	110	4.1	1127	12 US-10-309-422-28	Sequence 28, Appl
35	109.5	4.1	342	10 US-09-949-016-7802	Sequence 7802, Ap
36	109.5	4.1	342	14 US-60-452-680-20352	Sequence 20352, A
37	109.5	4.1	1204	14 US-60-443-566-3418	Sequence 3418, Ap
38	109.5	4.1	1204	14 US-60-452-680-12739	Sequence 12739, A
39	109	4.0	295	2 PCT-US02-29560-402	Sequence 402, App
40	109	4.0	295	12 US-10-245-882-402	Sequence 402, App
41	108.5	4.0	652	10 US-09-724-676-48990	Sequence 48990, A
42	108.5	4.0	652	10 US-09-724-676-48991	Sequence 48991, A
43	108.5	4.0	652	10 US-09-724-676-48997	Sequence 48997, A
44	108.5	4.0	652	10 US-09-724-676-48998	Sequence 48998, A
45	108.5	4.0	652	10 US-09-724-676A-48990	Sequence 48990, A

ALIGNMENTS

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RESULT 1
PCT-US03-01943-44
; Sequence 44, Application PC/TUS0301943
; GENERAL INFORMATION:
; APPLICANT: ORIGENE TECHNOLOGIES INC
; TITLE OF INVENTION: CANCER GENES
; FILE REFERENCE: 3U 9U 901 PCT
; CURRENT APPLICATION NUMBER: PCT/US03/01943
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 10/054,935
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/356,130
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: US 10/102,946
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 10/117,229
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 10/144,198
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US 10/197,824
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 1770
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-01943-44

Query Match      100.0%; Score 2698; DB 2; Length 1770;
Best Local Similarity 100.0%; Pred. No. 7.3e-244;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RIRAAQGVFMDTCCSPKTNNPFAHSCQILITLPDEKNGHTKKSVSREIVSLI 60
      1233 RIRAAQGVFMDTCCSPKTNNPFAHSCQILITLPDEKNGHTKKSVSREIVSLI 1312
      61 SHOVLLQNLVYDILBEFVKGPSGGEKTIQVPEAKLAGFLRYISQNLAVIFDLIDSR 120
      1313 SHOVLLQNLVYDILBEFVKGPSGGEKTIQVPEAKLAGFLRYISQNLAVIFDLIDSR 1372
QY      121 TAREPDTSFGKCLKLKVKVSGIGGANILYROSAMSFNIYHALVCAVLTNOETITAEQVK 180
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Db      1373  TAEPDTSPLKCLLKVSIGGAANLYROSAMSFNIFHALVCAVLTNOETITAEQVK 1432
Qy      181  VLEPDERSTDSQCCSEDEDIFEETAQVSPRGKEKQWRAMPILSVQPSNADWV 240
Db      1433  VLEPDERSTDSQCCSEDEDIFEETAQVSPRGKEKQWRAMPILSVQPSNADWV 1492
Qy      241  LVRLHLKLMELCNNTYIOMHLDLENCEBEPPIFKGDPFFILPSFQSSSTPTSGFSGKE 300
Db      1493  LVRLHLKLMELCNNTYIOMHLDLENCEBEPPIFKGDPFFILPSFQSSSTPTSGFSGKE 1552
Qy      301  TPEEDRSQSRHEMGESLSLKAGGDLILPPSPKVEKKDPSRKKEWENAGNKIYTMAD 360
Db      1553  TPEEDRSQSRHEMGESLSLKAGGDLILPPSPKVEKKDPSRKKEWENAGNKIYTMAD 1612
Qy      361  KTISKMTYKKRQKQHNLSAFPEYKVEKKGEPPLRGODSPLQRPQILMOGQMRHS 420
Db      1613  KTISKMTYKKRQKQHNLSAFPEYKVEKKGEPPLRGODSPLQRPQILMOGQMRHS 1672
Qy      421  FSAGPELLRODKRPRSGTSSLSVSVDAEAQIQAMTNVLTVLNQIQLPDQFTALQ 480
Db      1673  FSAGPELLRODKRPRSGTSSLSVSVDAEAQIQAMTNVLTVLNQIQLPDQFTALQ 1732
Qy      481  PAVPCISQLTCHVTDIRVQAVREWLGRVGRYDITV 518
Db      1733  PAVPCISQLTCHVTDIRVQAVREWLGRVGRYDITV 1770

RESULT 2
US-10-416-993-495
; Sequence 495, Application US/10416993
; GENERAL INFORMATION:
; APPLICANT: Hyseg, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-096
; CURRENT APPLICATION NUMBER: US/10/416, 993
; PRIOR FILING DATE: 2003-11-16
; PRIOR APPLICATION NUMBER: 09/714, 936
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 682
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 495
; LENGTH: 1839
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-416-993-495

Query Match      100.0%; Score 2698; DB 12; Length 1839;
Best Local Similarity 100.0%; Pred. No. 7, 7e-244;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  RIRAMAQVFMIDTQCSPTKPNNDHAQSCOLIIELEPDEKPNCHTKSVSFREIVSL 60
Db      1322  RIRAMAQVFMIDTQCSPTKPNNDHAQSCOLIIELEPDEKPNCHTKSVSFREIVSL 1381
Qy      61  SHOVLQNLVDILLEEFVKGPSPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYR 120
Db      1382  SHOVLQNLVDILLEEFVKGPSPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYR 1441
Qy      121  TAREPDTSPGLKCLLKVSIGGAANLYROSAMSFNIFHALVCAVLTNOETITAEQVK 180
Db      1442  TAREPDTSPGLKCLLKVSIGGAANLYROSAMSFNIFHALVCAVLTNOETITAEQVK 1501
Qy      181  VLEPDERSTDSQCCSEDEDIFEETAQVSPRGKEKQWRAMPILSVQPSNADWV 240
Db      1502  VLEPDERSTDSQCCSEDEDIFEETAQVSPRGKEKQWRAMPILSVQPSNADWV 1561
Qy      241  LVRLHLKLMELCNNTYIOMHLDLENCEBEPPIFKGDPFFILPSFQSSSTPTSGFSGKE 300
Db      1562  LVRLHLKLMELCNNTYIOMHLDLENCEBEPPIFKGDPFFILPSFQSSSTPTSGFSGKE 1621
Qy      301  TPEEDRSQSRHEMGESLSLKAGGDLILPPSPKVEKKDPSRKKEWENAGNKIYTMAD 360

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Db      1622  TPEEDRSQSRHEMGESLSLKAGGDLILPPSPKVEKKDPSRKKEWENAGNKIYTMAD 1681
Qy      361  KTISKMTYKKRQKQHNLSAFPEYKVEKKGEPPLRGODSPLQRPQILMOGQMRHS 420
Db      1682  KTISKMTYKKRQKQHNLSAFPEYKVEKKGEPPLRGODSPLQRPQILMOGQMRHS 1741
Qy      421  FSAGPELLRODKRPRSGTSSLSVSVDAEAQIQAMTNVLTVLNQIQLPDQFTALQ 480
Db      1742  FSAGPELLRODKRPRSGTSSLSVSVDAEAQIQAMTNVLTVLNQIQLPDQFTALQ 1801
Qy      481  PAVPCISQLTCHVTDIRVQAVREWLGRVGRYDITV 518
Db      1802  PAVPCISQLTCHVTDIRVQAVREWLGRVGRYDITV 1839

RESULT 3
PCT-US03-04508-32
; Sequence 32, Application PC/TUS0304508
; GENERAL INFORMATION:
; APPLICANT: IDEC PHARMACEUTICALS
; APPLICANT: GATELY, DENNIS
; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
; TITLE OF INVENTION: OR THERAPEUTICS
; FILE REFERENCE: 037003/0301985
; CURRENT APPLICATION NUMBER: PCT/US03/04508
; PRIOR FILING DATE: 2003-02-19
; PRIOR APPLICATION NUMBER: 60/357, 140
; PRIOR FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: 60/396, 082
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 60/386, 759
; PRIOR FILING DATE: 2002-06-10
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 1872
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US03-04508-32

Query Match      100.0%; Score 2698; DB 2; Length 1872;
Best Local Similarity 100.0%; Pred. No. 7, 9e-244;
Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  RIRAMAQVFMIDTQCSPTKPNNDHAQSCOLIIELEPDEKPNCHTKSVSFREIVSL 60
Db      1355  RIRAMAQVFMIDTQCSPTKPNNDHAQSCOLIIELEPDEKPNCHTKSVSFREIVSL 1414
Qy      61  SHOVLQNLVDILLEEFVKGPSPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYR 120
Db      1415  SHOVLQNLVDILLEEFVKGPSPEEKTIOVPEAKLAGFLRYISMQLAVIFDILLDSYR 1474
Qy      121  TAREPDTSPGLKCLLKVSIGGAANLYROSAMSFNIFHALVCAVLTNOETITAEQVK 180
Db      1475  TAREPDTSPGLKCLLKVSIGGAANLYROSAMSFNIFHALVCAVLTNOETITAEQVK 1534
Qy      181  VLEPDERSTDSQCCSEDEDIFEETAQVSPRGKEKQWRAMPILSVQPSNADWV 240
Db      1535  VLEPDERSTDSQCCSEDEDIFEETAQVSPRGKEKQWRAMPILSVQPSNADWV 1594
Qy      241  LVRLHLKLMELCNNTYIOMHLDLENCEBEPPIFKGDPFFILPSFQSSSTPTSGFSGKE 300
Db      1595  LVRLHLKLMELCNNTYIOMHLDLENCEBEPPIFKGDPFFILPSFQSSSTPTSGFSGKE 1654
Qy      301  TPEEDRSQSRHEMGESLSLKAGGDLILPPSPKVEKKDPSRKKEWENAGNKIYTMAD 360
Db      1655  TPEEDRSQSRHEMGESLSLKAGGDLILPPSPKVEKKDPSRKKEWENAGNKIYTMAD 1714
Qy      361  KTISKMTYKKRQKQHNLSAFPEYKVEKKGEPPLRGODSPLQRPQILMOGQMRHS 420
Db      1715  KTISKMTYKKRQKQHNLSAFPEYKVEKKGEPPLRGODSPLQRPQILMOGQMRHS 1774
Qy      421  FSAGPELLRODKRPRSGTSSLSVSVDAEAQIQAMTNVLTVLNQIQLPDQFTALQ 480

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Db 1775 FSAGPELLRQDKRPRSGTSSLSVSRDAEAQIQMTNMVLTVINOIQLPDTFTALQ 1834
 Qy 481 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRVYDIIV 518
 Db 1835 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRVYDIIV 1872

RESULT 4

US-10-367-978-32
 ; Sequence 32, Application US/10367978
 ; GENERAL INFORMATION:
 ; APPLICANT: GATELY, DENNIS
 ; TITLE OF INVENTION: PROSTATE SPECIFIC GENES AND THE USE THEREOF IN DESIGN
 ; FILE REFERENCE: 037003-0301988
 ; CURRENT APPLICATION NUMBER: US/10/367,978
 ; PRIOR FILING DATE: 2003-02-19
 ; PRIOR APPLICATION NUMBER: 60/357,140
 ; PRIOR FILING DATE: 2002-02-19
 ; PRIOR APPLICATION NUMBER: 60/396,082
 ; PRIOR FILING DATE: 2002-07-17
 ; PRIOR APPLICATION NUMBER: 60/386,759
 ; PRIOR FILING DATE: 2003-06-10
 ; NUMBER OF SEQ ID NOS: 89
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 32
 ; LENGTH: 1872
 ; TYPE: PRF
 ; ORGANISM: Homo sapiens
 ; US-10-367-978-32

Query Match 100.0%; Score 2698; DB 11; Length 1872;
 Best Local Similarity 100.0%; Pred. No. 7.9e-244;
 Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RIRAAQOVFMIDTQSCPTNNFPHAQSCQIIELEPDEKNGHTKKSVSFREIVSLL 60
 Db 1355 RIRAAQOVFMIDTQSCPTNNFPHAQSCQIIELEPDEKNGHTKKSVSFREIVSLL 1414
 Qy 61 SHQVLLQNLVDILLEFVKGPSGEEKTIQVPEAKLAGFLRYISMONLAVITFDLLDSYR 120
 Db 1415 SHQVLLQNLVDILLEFVKGPSGEEKTIQVPEAKLAGFLRYISMONLAVITFDLLDSYR 1474
 Qy 121 TAREFDTSPGLKCLIKVSGIGGAANLYROSAMSFNIYFHALVCALVTNQETITTAEOVK 180
 Db 1475 TAREFDTSPGLKCLIKVSGIGGAANLYROSAMSFNIYFHALVCALVTNQETITTAEOVK 1534
 Qy 181 VFEDDERSTSSQCCSSEDEDI FEETAQVSPRGEKEXQWRAMPILSVQPVSNADWV 240
 Db 1535 VFEDDERSTSSQCCSSEDEDI FEETAQVSPRGEKEXQWRAMPILSVQPVSNADWV 1594
 Qy 241 LVKRLHLKCMELCNVNIOMHLDLENCEMEPRIFKGDPFILPSFOSESSTPSTGFSGKE 300
 Db 1595 LVKRLHLKCMELCNVNIOMHLDLENCEMEPRIFKGDPFILPSFOSESSTPSTGFSGKE 1654
 Qy 301 TPSEDDRSQSRHMGESLSLKAAGGDLILPSPKYEKDPSRKKEWENAGNKIYTMAD 360
 Db 1655 TPSEDDRSQSRHMGESLSLKAAGGDLILPSPKYEKDPSRKKEWENAGNKIYTMAD 1714
 Qy 361 KTIISKLMTEYKRRKQKHNLAPPKVEKKEGEPGLPGQDSPLIORPHLMDQOMRHS 420
 Db 1715 KTIISKLMTEYKRRKQKHNLAPPKVEKKEGEPGLPGQDSPLIORPHLMDQOMRHS 1774
 Qy 421 FSAGPELLRQDKRPRSGTSSLSVSRDAEAQIQMTNMVLTVINOIQLPDTFTALQ 480
 Db 1775 FSAGPELLRQDKRPRSGTSSLSVSRDAEAQIQMTNMVLTVINOIQLPDTFTALQ 1834
 Qy 481 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRVYDIIV 518
 Db 1835 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRVYDIIV 1872

RESULT 5
 PCT-US03-01943-30
 ; Sequence 30, Application PC/TUS0301943
 ; GENERAL INFORMATION:
 ; APPLICANT: ORIGENE TECHNOLOGIES INC
 ; TITLE OF INVENTION: CANCER GENES
 ; FILE REFERENCE: 3U 9U 901 PCT
 ; CURRENT APPLICATION NUMBER: PCT/US03/01943
 ; PRIOR FILING DATE: 2002-01-25
 ; PRIOR APPLICATION NUMBER: US 10/054,935
 ; PRIOR FILING DATE: 2002-01-25
 ; PRIOR APPLICATION NUMBER: US 60/356,130
 ; PRIOR FILING DATE: 2002-02-14
 ; PRIOR APPLICATION NUMBER: US 10/102,946
 ; PRIOR FILING DATE: 2002-03-22
 ; PRIOR APPLICATION NUMBER: US 10/117,229
 ; PRIOR FILING DATE: 2002-04-08
 ; PRIOR APPLICATION NUMBER: US 10/144,198
 ; PRIOR FILING DATE: 2002-05-14
 ; PRIOR APPLICATION NUMBER: US 10/197,824
 ; PRIOR FILING DATE: 2002-07-19
 ; NUMBER OF SEQ ID NOS: 102
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 30
 ; LENGTH: 2221
 ; TYPE: PRF
 ; ORGANISM: Homo sapiens
 ; PCT-US03-01943-30

Query Match 100.0%; Score 2698; DB 2; Length 2221;
 Best Local Similarity 100.0%; Pred. No. 1e-243;
 Matches 518; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RIRAAQOVFMIDTQSCPTNNFPHAQSCQIIELEPDEKNGHTKKSVSFREIVSLL 60
 Db 1704 RIRAAQOVFMIDTQSCPTNNFPHAQSCQIIELEPDEKNGHTKKSVSFREIVSLL 1763
 Qy 61 SHQVLLQNLVDILLEFVKGPSGEEKTIQVPEAKLAGFLRYISMONLAVITFDLLDSYR 120
 Db 1764 SHQVLLQNLVDILLEFVKGPSGEEKTIQVPEAKLAGFLRYISMONLAVITFDLLDSYR 1823
 Qy 121 TAREFDTSPGLKCLIKVSGIGGAANLYROSAMSFNIYFHALVCALVTNQETITTAEOVK 180
 Db 1824 TAREFDTSPGLKCLIKVSGIGGAANLYROSAMSFNIYFHALVCALVTNQETITTAEOVK 1883
 Qy 181 VFEDDERSTSSQCCSSEDEDI FEETAQVSPRGEKEXQWRAMPILSVQPVSNADWV 240
 Db 1884 VFEDDERSTSSQCCSSEDEDI FEETAQVSPRGEKEXQWRAMPILSVQPVSNADWV 1943
 Qy 241 LVKRLHLKCMELCNVNIOMHLDLENCEMEPRIFKGDPFILPSFOSESSTPSTGFSGKE 300
 Db 1944 LVKRLHLKCMELCNVNIOMHLDLENCEMEPRIFKGDPFILPSFOSESSTPSTGFSGKE 2003
 Qy 301 TPSEDDRSQSRHMGESLSLKAAGGDLILPSPKYEKDPSRKKEWENAGNKIYTMAD 360
 Db 2004 TPSEDDRSQSRHMGESLSLKAAGGDLILPSPKYEKDPSRKKEWENAGNKIYTMAD 2063
 Qy 361 KTIISKLMTEYKRRKQKHNLAPPKVEKKEGEPGLPGQDSPLIORPHLMDQOMRHS 420
 Db 2064 KTIISKLMTEYKRRKQKHNLAPPKVEKKEGEPGLPGQDSPLIORPHLMDQOMRHS 2123
 Qy 421 FSAGPELLRQDKRPRSGTSSLSVSRDAEAQIQMTNMVLTVINOIQLPDTFTALQ 480
 Db 2124 FSAGPELLRQDKRPRSGTSSLSVSRDAEAQIQMTNMVLTVINOIQLPDTFTALQ 2183
 Qy 481 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRVYDIIV 518
 Db 2184 PAVFPCISQLTCHVTDIRVQAVREWLGRVGRVYDIIV 2221

RESULT 6
 US-10-131-487A-87
 ; Sequence 87, Application US/10131487A

```
Query Match      4.2%; Score 113.5; DB 12; Length 743;  
Best Local Similarity 18.0%; Pred. No. 0.27;  
Matches 110; Conservative 90; Mismatches 233; Indels 177; Gaps 22.  
  
22 NNPDHAGSCQ-----LITFLPPDEK---NGHTTKSVSPREIVLSLSHOWLQWLYIL 73  
:::|::| |::|::| |::|::| |::|::| |::|::|
```

Query Match	4.2%	Score 113.5;	DB 12;	Length 877;
Best local similarity	18.0%	Pred. No. 0.35;		
Matches 110;	Conservative 90;	Mismatches 233;	Indels 177;	Gaps 22
QY	22	NNFDHAGSCQ----	LTLEPPDEPF--	NKHTKTSVSFRELIVSLSHOVLQNLTYLL 73
Db	172	HNLEFAKLTQTFSGSLDILKAQKKOARREMLTLEKKKLRITLVOYVQNLQVGN 231		


```

Db 98 VOKDPRG---GLNGAVYLPSEKEDYIATKRSKLTCPBRNBSLVEDOMEOSLTFMDLLEG 154
Qy 119 YRTAREFDTPSGJCKLLKRVSGIGGAAANDYROSAMSFNIYFHALVCAVLTNGETTAAOV 178
Db 155 SEKAVGCTTYKHLKDLSTKLNSG-----YFESIPVKNKAKEVPLBE- 198
Qy 179 KKVLFEDBERSTSDSQCCSEDEDFE-ETAQVSP----- 212
Db 199 -EMLIQSEKKTQJSTKESYKESSESLMEFAOPEIQOQEFLLRRMYTEVDVSNKQOEOPWE 257
Qy 213 -----PRGEKRO-----WRA-----RAPHLSVQEPVSNADWWYLV 242
Db 258 ADVARKPNLPKRMDMLTEPDGQEKQKQESFKSWASAKHQEVSKPAVLSL----- 306
Qy 293 KRLHLKLMELCNMYIOMHLDLENCEMBEPPIFKQDPPFILPFSQESSTPTGCF---S 297
Db 307 -----QRKODTSLRSTLPBEQKQKQESTSKRP---SPSQMKQKDPFKSKAQYVQOEOK 355
Qy 298 GKETP-----SEDDRSQSREHNHGESI-SLKAGGDLPLRPPRVEKKQDSRKKEW 347
Db 356 KOETRKLWYQJQEKEDPKKQTKSTPMQSQNTTKSTTMMCEQDSKQOETPKSWE 415
Qy 348 EVAGNKIYMAADKRTSKLMTETKKRQKQHNLSAFPEKVEKKEGEBL-----GRGQDSPL 404
Db 416 NNVESQKHSLTSQSQSIPKSWGAVATASLIPNDOLLPRLKLTBEKDVKPRVHOEVGSSSTL 475
Qy 405 LQRP-----OHLMDQGMRHSFSAQPELLRQDK-----RPPSGSGSSLSYSVRD 449
Db 476 PKDPLVRKREKLODMLTQIOGTCTNFMQ-ESVLPDDKSSALPTQCPBSATGSPYASKEQN 534
Qy 450 AEAQIQAMTNMVLTYVINOQILP-----DOTETALQPAVFPICISQLTCH 493
Db 535 LSSQ-SDFLQEPLOQVFNNAAPLRPRKEQETIKESPYSPGVQSSFTTASTORP-----QCQ 588
Qy 494 VTDIRYRQAV 503
Db 589 IPSIHVEQTV 598

```

```

RESULT 11
US-10-309-422-8
; Sequence 8, Application US/10309422
; GENERAL INFORMATION:
; APPLICANT: walke, D. Wade
; APPLICANT: Wilganowski, Nathaniel L.
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: Novel Human Proteins and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0142-USA
; CURRENT APPLICATION NUMBER: US/10/309,422
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US/09/798,771
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: US 60/186,557
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 1042
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-309-422-8

```

```

Query Match 4.2%; Score 113.5; DB 12; Length 1042;
Best Local Similarity 18.0%; Pct. No. 0.45;
Matches 110; Conservative 90; MisMatches 233; Indels 177; Gaps 22;

QY 22 NNFDAQSCQ-----LIELEPPDEKP-----NGHTKKSVSFRIVEILSHQVLLQNTLYDIL 73
      :::::
Db 112 HNLFEAKELQKTFSGSLDILCAQKKAQRREMLTLEAKKTLRTILQVQVLLQVLTQEN 231
      :::::

QY 74 LEEFYKSGPSGGEKTIQVPEAKLAGFLRYI-----SMONLAVIFPLDIDS 118
      :::::

```

```

Db 232 VQDQDFG-----GANGANVLPBSKEDLVLIINFSKUTCBERNESLSVEDQWQESIXFWMDLEG 288
Qy 119 YRTAREBDTSPGLKCLLKVKVSGTIGCANLVYROSAMSENIYFHALVCVLTNOETITAEQV 178
Db 289 SEKAVVGTYYKHLKDLSTKLNSG-----YFESIPVKNAKEKVPLEE 332
Qy 179 KYVLFEEDDERSTDSQOCCSEDEDFE-ETQVSP-----212
Db 333 -EMLIQSEKKTQLSKTESVKESESIMEFAQPEIQOEFELNRMYTEVDYSNKQOGEQPM 391
Qy 213 -----PRGKERQ-----WRA-----RMPLLSVQPSVSNADWVWLV 242
Db 392 ADVARKPNLPKRWIDLTPEDPQKQOBSFKSMEASGKHQVSKRAVLE-----440
Qy 243 KRLHLKMLCMLCNVNYIOMHLDLNCMEBPPIFKGDPFLLPSFOGESSTPTSGF-----S 297
Db 441 -----QRKQDTSKLRSTLPEBQKQOISKSR-----SPQWQKQDTPKSMAGVQBEQK 489
Qy 298 GKSTP-----SEDDRSQSRREHMGSL-SLAKAGGDLLPPSPKVEKKDPSRKKEW 347
Db 490 KOESTPKLMPVOLQEKEDDPKQOTPKSWTPSMOSEQNTTKSWTTPCSEQDSKQRPTRPSWE 549
Qy 348 ENMGKLYTMAADKTSKLMTEYKKRKQOHNLAPPKVEKKEGEPIL-----GPRGQDSPL 404
Db 550 NVNESQHSHTSOSQISPKSMGVALASLILPNDQLPRKLTNEPRKDVPRKPNQPVGSSSTL 609
Qy 405 LQRP-----QHLMDQGMHRSFAGBELLRODK-----RPRSGTSSLSVSRD 449
Db 610 KPQDPLRKKEKLDQMLMTQIGTCNFMQ-BSVLDFDKPSAIPTSQPSATGSPVASKQN 668
Qy 450 AEAQIQAMTMYLTVINQIQLP-----DOTFPALOPAPFPCISQLTCH 493
Db 669 LSSQ-SDFIQEPLQYFNVAAPLPKPKQEBIKESPYSPGYNSFTTASTOTPR-----OCQ 722
Qy 494 VTDIRVRQAV 503
Db 723 LPSIHVEQTV 732

```

```

RESULT 12
US-10-309-422-20
; Sequence 20, Application US/10309422
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wilganowski, Nathaniel L.
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: Novel Human Proteins and Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0142-USA
; CURRENT APPLICATION NUMBER: US/10/309,422
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US/09/798,771
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: US 60/186,557
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 1043
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-309-422-20

```

```

Query Match      4.2%  Score 113.5; DB 12; Length 1043;
Best Local Similarity 18.0%  Pred. No. 0.45;
Matches 110; Conservative 90; Mismatches 233; Indels 177; Gaps 22

QY      22  NNFDHAGSCQ-----LITELPDEKRP--NGHTKKSVFREIIVSLSHOYLONTLYDIL  73
      :::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      172  HNLEFAKELQTFESGLSLDILLKQAKKQRREHMLLEAEKKKRTITLOVQYVLQNTQEH  231

QY      74  LEEFPGKSPPEEKTIQVPEAKLAGFLRYI-----SMONLAVIFPDLIDS  118
      :::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db      232  VQKPRG--GLNGAVVLPSEKLDYLIFFSKYLTCPERNESISVEDQMOSSLYFNDLLEG  288

```

```

Qy 119 YRTAREPDTSPGLKCLLKVSIGIGANLYROSAMFNIFYFHALVCAVLINQETITAEV 178
Db 289 SEKAVVGTITKHLKDLISKLNSG-----YFESIPVPKNAKEVEVLEB- 332
Qy 179 KYVLFEDDERSTDSQCCSEDEDIFE-ETAOVSP----- 212
Db 333 -EMLIOSEKKTOLSKTESYKESISELMEFAQPEIOPQEFPLNRRYMEVDVSNKQGEOPWE 391
Qy 213 -----PRGKEKRO-----WRA-----RMLSTVOVPSNADWVWL 242
Db 392 ADYARKPNLPKRWMLTEPDEGCKQESFKSMASGKHQEVSKPAVSL- 440
Qy 243 KRLHLKLMELCNNYIOMHLDLENCEMEBPPIFKGDPEFLLPSFQSESSPTSGF-----S 297
Db 441 -----QRKQDTSKLRSTLPEEQKKQELSKSKP---SPSQWKQDTPSKAGYVQGEQK 489
Qy 298 GKETP-----SEDDSSQSEHNGESL-SLKAGGDLLEPPSKVEKQDSRKKEW 347
Db 490 KQETPLMWVOLQEKQDPKQTPKSWTPPSWQSEQNTTKSMWTPMCEQDSKQEPTEPKSWE 549
Qy 348 ENAGNKITYMAADKTIKMTKTEYKRRKQOHNLSAPKREYKVEKGBPL---GPRGQDSPL 404
Db 550 NNVESQKSLTSSQISPKSMGVATASLIPNDQLPRKLTBPKDVPKPVHQVSSSTL 609
Qy 405 LQRP-----QHLMQGMHSHFSAGPELLRODK-----RPRSGTSSLSVSRD 449
Db 610 PPOVLRKEKLDQMLQIQGTQCFMQ-ESVLDKDKSSAIPISQPSATSPGSFVAKEN 668
Qy 450 AEOIQAMTNMVLTVLNOIQILP-----DQFTALQPAVFCISQLTCH 493
Db 669 LSSQ-SDFLQEPLOQVFNVAPLPRKEQEKESPVSGYQSFSTASTQTP-----CQCQ 722
Qy 494 VTDIRVOAV 503
Db 723 LPSIHVEQTV 732

```

RESULT 13

```

US-60-452-680-23640
; Sequence 23640, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GRUPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23640
; LENGTH: 1327
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-23640

```

Query Match 4.2%; Score 113; DB 14; Length 1327;

Best Local Similarity 18.5%; Pred. No. 0.71; Matches 115; Conservative 89; Mismatches 223; Indels 196; Gaps 27;

```

Qy 12 LDTCQPKPTNNPDHQSCLILPEPDEKPNHTKVSFRIIVSLSHQVLLQNLVD 71
Db 75 LNKELDSNSTHKLALHNSQANAMELTDDE-----KHHEILANYSD 119
Qy 72 ILLEEFVKGK-----SPEEKT---IOVP--EAKLAGFLRYISMQNLAVIFDILLDS 118
Db 120 DFDEYVGAULTTKDEMBPKSKSEKISVPRKQEEKTMGLANV-----VLLDS 169
Qy 119 YRTAREPDTSPGLKCLLKVSIGIGANLYROSAMFNIFYFHALVCAVLINQ- 170
Db 170 LQSVAVNLDEQDKITPKPRCLPEMTEBNTGTGVSTGSSSVEA-LHQAYCHIAHSLG 228

```

```

Qy 171 -----ETITAEVQKVLFEDEDERSTDSQCCSEDEDIFEETAEVSP----- 212
Db 229 DEDKOKIESNTVEDIKSSVKGHPQENBENSXNISTMESDLPTVEBLMKPIRDSPGISGF 288
Qy 213 ---PRGKEKROWRAMPPLLSVQPV-----SNADWVWLVRHLKLCM 250
Db 289 DLQPSSEKVAERKETERFSSILPLMANPNIISQDSQVNLFPDKNDENVILQKTTNESWE 348
Qy 251 ELCNNYIOM-----HLD-----LENCEMEBPPIFKGDPEFLLPSFQSESSPTSGFS 297
Db 349 NSCPQVTEVTAITEHVDDGMVNLILKKITVNSSLSQDQK--INKTVRSQSSSEEGAVM 406
Qy 298 GKETPSEDDRS-----QSEHNGESLSLKAGGDLLEPPSP-----KYEK- 338
Db 407 GKQVPPKARSAPPLKKEKPPQGLVAVSSGCG- -KPSPLKMFSTLEKKTSEDIIRSK 464
Qy 339 -----DPSKKEKWMENAGNKITYMA--DKTISKMTKTEYKRRKQOHNLSAPKREYK- 387
Db 465 NLRISISTNQPRKKITL--SGTKLIKPAALDPKPAKHTESCLSTRKSEN---PTETDSC 518
Qy 368 VEKKEPPLQPRGQDSP---LQRPQHLMDQ-----GQWRHSHFSAG-----DEL 427
Db 519 IQPQDTSLGCGENKEKULMPKRVQEABDKRGAQALIEQIKATFSEKEKELENKLEBL 578
Qy 428 LRQDR-----PRSGTSSLSVSRDAE 451
Db 579 KQQCKELFKLNQDNYILOAKLSFPEETNKQRWLHFGAADPVYGEKTKQIOKEIOQE 638
Qy 452 AOIQAMTNMVLTVLNOIQILPQ 474
Db 639 TLLQGYQOENERLYNQVADLOEQ 661

```

RESULT 14

```

US-60-452-680-24699
; Sequence 24699, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GRUPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24699
; LENGTH: 921
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-24699

```

Query Match 4.2%; Score 112; DB 14; Length 921;

Best Local Similarity 21.0%; Pred. No. 0.52; Matches 83; Conservative 52; Mismatches 147; Indels 114; Gaps 17;

```

Qy 71 ILLEEF-----VKGPSGEKTIQVPEAKLAGFLRYISMQNLAVIFDILLDSYRTAREF 125
Db 65 DAVIEIFINQLEEVKNP---DSKMMQI---NLTGFL-----NGKNAKEF 101
Qy 126 --DTPSGLKCLLKVSIGIGANLYROSAMFNIFYFHALVCAVLINQETITAEVQKVL 183
Db 102 MGELWPLLSAQENIAGIPSAFLKKEBI-----KQRIQDEKLSMKK 146
Qy 184 EDDERSTDSQCCSEDEDIFEETAEVQSPPRKKEKQWRAMPPLLSVQPVSNADWVWL 243
Db 147 QDE-----DKDKKDEKESSRERKRSRSPR---RRKRSPPRRRSPPVRRER-----K 194
Qy 244 RLHLKLMELCNNYIOMHLDLENCEMEBPPIFKGDPEFLLPSFQSESSPTSGFSGKETPS 303
Db 195 RSHRS-----PRHRTKRSRSPAPKEKKEKTE 222
Qy 304 EDDRSQSEHNGESLSLKAGGDLLEPPSPK--VEKQDSRKKEKWMENAGNKITYMAADK 361

```

```
Db      223 LPEPSVAVKE--PSVQATSTSDILKVPKEPIPEPEPSPEK-----NSKKEKEKEK 273
QY      362 TISKLMTEYKKRKQOHNLSAFPKEVKVEKKGEPL-----GPRGDSPLLOPQH 411
Db      274 TRPRSRSRSKSRSTRSRS--PSHTPRRRHRSRSRSPRRRPSFRRTTPRR 331
QY      412 MDOGOMHRSFAGPELLRODKRPRSGS-TGSSLSVS 446
Db      332 MP-PPHRRRSRSPPEFRQRRRRSSASLSGSSSSSS 366
```

RESULT 15

```
US-60-453-135-15362
; Sequence 15362, Application US/60453135
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C001456
; CURRENT APPLICATION NUMBER: US/60/453,135
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 8262
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15362
; LENGTH: 921
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-453-135-15362
```

Query Match 4.2%; Score 112; DB 14; Length 921;

Best Local Similarity 21.0%; Pred. No. 0.52;

Matches 83; Conservative 52; Mismatches 147; Indels 114; Gaps 17;

```
QY      71 DILLEEF-----YKGPSPGEKTIQVPEAKLAGFLRTISQONLAVIFDLLDSYRTAREF 125
Db      65 DVVIEFLFNQLEVENP---DSKMMQI---NLGFL-----NGKNAREF 101
QY      126 --DTPGLKCLLKKVSGIGGANLYROSAMSFNYFHALVCAVLINQETITAEQKKVLF 183
Db      102 MGEIMPLLISAQENIAGIPSAFLELKEEI-----KOROLEKLSMKK 146
QY      184 EDDERSTDSQOCSSSEDEDIFEETAQVSPPGKEKQWRAMPPLSVQPVSNADWWLVK 243
Db      147 QDE---DKDKRDKKEKESREKERSRSPR--RRKRSRSPRRRSSPVRRER----K 194
QY      244 RLHLCLMELCNNTYIQWHLDLNCEMEEPPIFKGDPFLLPSFOSEGSTPSTGSGKETPS 303
Db      195 RSHSR-----PRHRTKRSRSPAPAEKKEKTP 222
QY      304 EDRSQSRREHMGESLSLKAGGDLPLPPSPK--VEKDPARKKEMWENAGNKITYTMAADK 361
Db      223 LPEPSVAVKE--PSVQATSTSDILKVPKEPIPEPEPSPEK-----NSKKEKEKEK 273
QY      362 TISKLMTEYKKRKQOHNLSAFPKEVKVEKKGEPL-----GPRGDSPLLOPQH 411
Db      274 TRPRSRSRSKSRSTRSRS--PSHTPRRRHRSRSRSPRRRPSFRRTTPRR 331
QY      412 MDOGOMHRSFAGPELLRODKRPRSGS-TGSSLSVS 446
Db      332 MP-PPHRRRSRSPPEFRQRRRRSSASLSGSSSSSS 366
```

Search completed: July 18, 2003, 19:39:50
Job time : 156.684 secs

Residue Identity = 100% Matches = 49 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

350 360 370 380 390 X 400 410
KKEWENAGKIYTMADKTIKLTETKRRKQOHNLAPFKEVKEKGEPIGPRGQDSPLLQRPQHLMDQ
EPLGPRGQDSPLLQRPQHLMDQ
X
10 20

420 430 440 450 460 470 480
GQMRHSFSAGPELLRQDKRRRSGTSSLSVSVDPAEQIQIANTNMVLTNLQIILPDQFTALOPAVFPC
GQMRHSFSAGPELLRQDKRRRSGTSS
X
30 40

490
ISQLT

3. US-09-991-681-27 (1-518)
US-08-842-385-7 Sequence 7, Application US/08842385

Initial Score = 41 Optimized Score = 41 Significance = -0.36
Residue Identity = 100% Matches = 41 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

140 150 160 170 180 X 190 200
LKKVSGIGGANLVYQSAMSFNIFYPAVCAVLTNETTAEQVKVLFEDDERSTSSQCCSDEDEIFE
EDDERSTSSQCCSDEDEIFE
X
10 20

210 220 X 230 240 250 260 270
ETAOVSPPRGKRRKQRRARPLLSSVQVSNADVWLVKRIHLKLCMELCNVYIQMHLLENCMKEPPIFK
ETAOVSPPRGKRRKQRRAR
X
30 40

4. US-09-991-681-27 (1-518)
US-08-842-385-9 Sequence 9, Application US/08842385

Initial Score = 40 Optimized Score = 40 Significance = -0.37
Residue Identity = 100% Matches = 40 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

290 300 310 320 330 X 340 350
PSQSSESTSTGFGSKETPSDEDDRSQSRHMGESLTLKAGGDLPLPSPRYEKKDPSRKKEWENAGNK
SPRYEKKDPSRKKEWENAGNK
X
10 20

360 X 380 390 400 410 420
IYTMADKTIKLTETKRRKQOHNLAPFKEVKEKGEPIGPRGQDSPLLQRPQHLMDQGMRRHSF
IYTMADKTIKLTETK
X
30 40

5. US-09-991-681-27 (1-518)
US-08-842-385-8 Sequence 8, Application US/08842385

Initial Score = 35 Optimized Score = 35 Significance = -0.39
Residue Identity = 100% Matches = 35 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

240 250 260 270 280 X 290 300
VSNADVWLVKRIHLKLCMELCNVYIQMHLLENCMKEPPIFKGDPFLLPSPRYEKKDPSRKKEWENAGNK
SFOSESSTSTGFGSKETPS
X
10 20

310 320 330 340 350 360

DDRSQSRHMGESLTLKAGGDLPLPSPRYEKKDPSRKKEWENAGNKIYTMADKTIKLT
DDRSQSRHMGES
X
30

6. US-09-991-681-27 (1-518)
US-08-842-385-11 Sequence 11, Application US/08842385

Initial Score = 2 Optimized Score = 2 Significance = -0.58
Residue Identity = 25% Matches = 2 Mismatches = 6
Gaps = 0 Conservative Substitutions = 0

320 330 340 350 360 370 X 380 390
SLKAGGDLPLPSPRYEKKDPSRKKEWENAGNKIYTMADKTIKLTETKRRKQOHNLAPFKEVKEK
DYKDDDK
X

400 410 420
KGEPIGPRGQDSPLLQRPQHLMDQGMRRHSFSAGPE

> 0 <
0 | 10 IntelliGenetics
> 0 <

FastDB - Fast Pairwise Comparison of Sequences
Release 5.4

Results file 28_x_842385.res made by spaula on Fri 18 Jul 103 19:44:38-PDT.

Query sequence being compared: US-09-991-681-28 (1-41)
Number of sequences searched: 6
Number of scores above cutoff: 6

Results of the initial comparison of US-09-991-681-28 (1-41) with:
File : US08842385.pep

```

100-
N -
U -
M -
B -
E -
R -
O -
F 10-
S -
E 5-
Q -
U -
E -
N -
N -
C -
E -
S 0-
SCORE 0 5 9 14 18 23 27 32 36 41
STDEV 0 1 1 1 1 1 1 1 1 1

```

PARAMETERS

Similarity matrix Unitary K-tuple
Mismatch penalty 1 Joining penalty 2
Gap penalty 1.00 Window size 20
Gap size penalty 0.05
Cutoff score 0
Randomization group 0

SEARCH STATISTICS

Scores: Mean Median Standard Deviation
15 4 19.77
Times: CPU Total Elapsed
00:00:00.00 00:00:00.00
Number of residues: 640
Number of sequences searched: 6
Number of scores above cutoff: 6

The scores below are sorted by initial score.
Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was found:

Sequence Name	Description	Length	Score	Init. Opt.	Sig. Frame
US-08-842-385-7	Sequence 7, Application US	41	41	1.32	0

1. US-08-842-385-7 Sequence 7, Application US 41 41 1.32 0
A 100% similar sequence to the query sequence was found:

Sequence Name	Description	Length	Score	Init. Opt.	Sig. Frame
US-08-842-385-6	Sequence 6, Application US	467	41	41	1.32 0

The list of other best scores is:

Sequence Name	Description	Length	Score	Init. Opt.	Sig. Frame
US-08-842-385-8	Sequence 8, Application US	35	4	8	-0.56 0
US-08-842-385-10	Sequence 10, Application	49	3	4	-0.61 0
US-08-842-385-11	Sequence 11, Application	8	2	2	-0.66 0
US-08-842-385-9	Sequence 9, Application US	40	2	5	-0.66 0

1. US-09-991-681-28 (1-41)
US-08-842-385-7 Sequence 7, Application US/08842385

Initial Score = 41 Optimized Score = 41 Significance = 1.32
Residue Identity = 100% Matches = 41 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

```

X 10 20 30 X
EDDERSTDSQOCSSSEDEDFEETAQVSPPRGKEKQWRAR
EDDERSTDSQOCSSSEDEDFEETAQVSPPRGKEKQWRAR
X 10 20 30 40

```

2. US-09-991-681-28 (1-41)
US-08-842-385-6 Sequence 6, Application US/08842385

Initial Score = 41 Optimized Score = 41 Significance = 1.32
Residue Identity = 100% Matches = 41 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

```

LLKKVSGIGGANLYROSAMSFNITFHALVCAVLNBOETITAEQVKYLFEDDERSTDSQOCSSSEDEDFE
90 100 110 120 130 X 140 150
ETAQVSPPRGKEKQWRAR
ETAQVSPPRGKEKQWRAR
ETAQVSPPRGKEKQWRAR
160 170 X 180 190 200 210 220

```

3. US-09-991-681-28 (1-41)
US-08-842-385-8 Sequence 8, Application US/08842385

Initial Score = 4 Optimized Score = 8 Significance = -0.56
Residue Identity = 25% Matches = 9 Mismatches = 25
Gaps = 1 Conservative Substitutions = 0

```

X 10 20 30 X 40
EDDERSTDSQOCSSSEDEDFEETAQVSPPRGKEKQWRAR
SFOSESST-PSTGCFSGKETPSDDRSOSREHMGES
X 10 20 30 X

```

4. US-09-991-681-28 (1-41)
US-08-842-385-10 Sequence 10, Application US/08842385

Initial Score = 3 Optimized Score = 4 Significance = -0.61
Residue Identity = 19% Matches = 5 Mismatches = 18

Gaps = 3 Conservative Substitutions = 0

```

      10      20      30      40
EDDERSTDSQQCSSEDEDIFFETAAQVSP--PRGKEKRWRRAR
      |||
      EPLGPRGQDSPILGRPOHIMDQGWHRHSFSAGAPELLRODKRPRSGSTGS
      X      10      20      30      40

```

5. US-09-991-681-28 (1-41)
US-08-842-385-11 Sequence 11, Application US/08842385

Initial Score = 2 Optimized Score = 2 Significance = -0.66
Residue Identity = 25% Matches = 2 Mismatches = 6
Gaps = 0 Conservative Substitutions = 0

```

      X      10      20      30      40
EDDERSTDSQQCSSEDEDIFFETAAQVSPPRGKEKRWRRAR
      |||
      DYKDDDDK
      X

```

6. US-09-991-681-28 (1-41)
US-08-842-385-9 Sequence 9, Application US/08842385

Initial Score = 2 Optimized Score = 5 Significance = -0.66
Residue Identity = 22% Matches = 8 Mismatches = 13
Gaps = 14 Conservative Substitutions = 0

```

      10      20      30
EDDERSTDSQQCSSEDEDIFFETAAQVSPPRGKE-----KRWRRAR
      |||
      SPKVE-----KDPSPRKKEWMENAGNKITYMAADKTIKSLMTEYK
      X      10      20      30      40

```


Gaps = 0 Conservative Substitutions = 0

X 10 X 20 30
 SFOSESSTPSTGCGFGSKETPSDDRSQSRHMGES
 EPLGPRGQDSPLIQPOHLMDCOMRHSFASAPPELLRQDKRPRSGSTGS
 10 20 30 X 40 X

5. US-09-991-681-29 (1-35)
US-08-842-385-11 Sequence 11, Application US/08842385

Initial Score = 2 Optimized Score = 2 Significance = -0.66
 Residue Identity = 25% Matches = 2 Mismatches = 6
 Gaps = 0 Conservative Substitutions = 0

10 20 X 30
 SFOSESSTPSTGCGFGSKETPSDDRSQSRHMGES
 DYKDDDDK
 X X

6. US-09-991-681-29 (1-35)
US-08-842-385-9 Sequence 9, Application US/08842385

Initial Score = 2 Optimized Score = 7 Significance = -0.66
 Residue Identity = 22% Matches = 9 Mismatches = 25
 Gaps = 6 Conservative Substitutions = 0

X 10 20 30
 SFOSESSTPSTGCGFGSKETPSDDRSQSRHMGES
 SPKVEKKDPSPRKKEWMENAGNXYTMAADKTIS-KLMTVEYK
 X 10 20 30 40

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> O <

FastDB - Fast Pairwise Comparison of Sequences
Release 5.4

Results file 30_x_842385.res made by spaula on Fri Jul 18 19:46:18-PDT.

Query sequence being compared: US-09-991-681-30 (1-40)
Number of sequences searched: 6
Number of scores above cutoff: 6

Results of the initial comparison of US-09-991-681-30 (1-40) with:
File : US08842385.pep

```

100-
N -
U -
M -
B -
E -
R -
O -
F 10-
S -
E 5-
U -
N -
C -
E -
S 0-
SCORE 0 4 9 13 18 22 27 31 36 40
STDDEV 0 1

```

PARAMETERS

Similarity matrix Unitary K-tuple 2
Mismatch penalty 1 Joining penalty 20
Gap penalty 1.00 Window size 40
Gap size penalty 0.05
Cutoff score 0
Randomization group 0

SEARCH STATISTICS

Scores: Mean 14 Median 3 Standard Deviation 19.62
Times: CPU 00:00:00.00 Total Elapsed 00:00:00.00
Number of residues: 640
Number of sequences searched: 6
Number of scores above cutoff: 6

The scores below are sorted by initial score.
Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was found:

Sequence Name	Description	Init. Opt.	Length Score	Score	Sig. Frame
US-08-842-385-9	Sequence 9, Application US	40	40	1.32	0

1. US-08-842-385-9 Sequence 9, Application US 40 40 40 1.32 0
A 100% similar sequence to the query sequence was found:

Sequence Name	Description	Length Score	Init. Opt.	Sig. Frame
US-08-842-385-6	Sequence 6, Application US	467	40	1.32 0

The list of other best scores is:

Sequence Name	Description	Length Score	Init. Opt.	Sig. Frame
US-08-842-385-11	Sequence 11, Application	8	2	-0.61 0
US-08-842-385-8	Sequence 8, Application US	35	2	-0.61 0
US-08-842-385-7	Sequence 7, Application US	41	2	-0.61 0
US-08-842-385-10	Sequence 10, Application	49	2	-0.61 0

1. US-09-991-681-30 (1-40)
US-08-842-385-9 Sequence 9, Application US/08842385

Initial Score = 40 Optimized Score = 40 Significance = 1.32
Residue Identity = 100% Matches = 40 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

```

X 10 20 30 X
SPKVEKDPSPSRKKEWENAGNKIYTMAADKTIISKLMTEYK
|||||
SPKVEKDPSPSRKKEWENAGNKIYTMAADKTIISKLMTEYK
X 10 20 30 40

```

2. US-09-991-681-30 (1-40)
US-08-842-385-6 Sequence 6, Application US/08842385

Initial Score = 40 Optimized Score = 40 Significance = 1.32
Residue Identity = 100% Matches = 40 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

```

PEFQSESSPTGSGFSGKETPSEDSDRSQSRHEHGESLKKAGGDLPLPSPKVEKDPSPSRKKEWENAGNK
240 250 260 270 280 290 300
30 X
IYTMAADKTIISKLMTEYK
|||||
IYTMAADKTIISKLMTEYKKRQOHNLISAPPKVEKKGEPGLGPRGDSPLLQRPQHLMDGQMRHSF
310 320 330 340 350 360 370

```

3. US-09-991-681-30 (1-40)
US-08-842-385-11 Sequence 11, Application US/08842385

Initial Score = 2 Optimized Score = 2 Significance = -0.61
Residue Identity = 66% Matches = 2 Mismatches = 1
Gaps = 0 Conservative Substitutions = 0

```

10 20 30 40
SPKVEKDPSPSRKKEWENAGNKIYTMAADKTIISKLMTEYK
|||
DYKDDDDK
X X

```

4. US-09-991-681-30 (1-40)
US-08-842-385-8 Sequence 8, Application US/08842385

Initial Score = 2 Optimized Score = 7 Significance = -0.61
Residue Identity = 22% Matches = 9 Mismatches = 25

Gaps = 6 Conservative Substitutions = 0

```

X      10      20      30      40
SPKVEKKDPSRKKEWENAGNKIYTMADKTISKLMTEYK
|      |      |      |      |
SFGSESSPS-----TCGFGSKETPSSEDDRSQSREHMGES
X      10      20      30      40

```

5. US-09-991-681-30 (1-40)
US-08-842-385-7 Sequence 7, Application US/08842385

Initial Score = 2 Optimized Score = 4 Significance = -0.61
Residue Identity = 19% Matches = 4 Mismatches = 17
Gaps = 0 Conservative Substitutions = 0

```

X      10      20      30      40
SPKVEKKDPSRKKEWENAGNKIYTMADKTISKLMTEYK
|      |      |      |      |
EDDERSTDSQCCSEDEDI FEETAQVSPRGKEKRWRRAR
10      20      30      40

```

6. US-09-991-681-30 (1-40)
US-08-842-385-10 Sequence 10, Application US/08842385

Initial Score = 2 Optimized Score = 5 Significance = -0.61
Residue Identity = 16% Matches = 7 Mismatches = 30
Gaps = 5 Conservative Substitutions = 0

```

X      10      20      30      40
SP---KVEKKDPSRKKEWENAGNKIYTMADKTISKLMTEYK
|      |      |      |      |
EPGPGRGQDPSPLQRPQHLMDOGMHRSFSAG--PELLRODKRPRSGSTGS
10      20      30      40

```

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> O <

FastDB - Fast Pairwise Comparison of Sequences
Release 5.4

Results file 31_x_842385.res made by spaula on Fri Jul 18 Jul 19:47:05-PDT.

Query sequence being compared: US-09-991-681-31 (1-49)
Number of sequences searched: 6
Number of scores above cutoff: 6

Results of the initial comparison of US-09-991-681-31 (1-49) with:
File : US08842385.pep

```

100-
N -
U - 50-
M -
B -
E -
R -
O - 10-
F -
S -
S -
E - 5-
Q -
U -
E - **
N -
C -
E -
S - 0-
SCORE 0 5 11 16 22 27 33 38 44 49
STDEV 0 1

```

PARAMETERS

Similarity matrix Unitary K-tuple 2
Mismatch penalty 1 Joining penalty 20
Gap penalty 1.00 Window size 49
Gap size penalty 0.05
Cutoff score 0
Randomization group 0

SEARCH STATISTICS

Scores: Mean Median Standard Deviation
18 4 24.02

Times: CPU Total Elapsed
00:00:00.00 00:00:00.00

Number of residues: 640
Number of sequences searched: 6
Number of scores above cutoff: 6

The scores below are sorted by initial score.
Significance is calculated based on initial score.

A 100% identical sequence to the query sequence was found:

Sequence Name	Description	Init. Opt.	Length	Score	Score	Sig.	Frame
US-09-991-681-31			49	49	49	1.29	0

1. US-08-842-385-10 Sequence 10, Application 49 49 49 1.29 0
A 100% similar sequence to the query sequence was found:

Sequence Name	Description	Length	Score	Score	Sig.	Frame
2. US-08-842-385-6 Sequence 6, Application US		467	49	49	1.29	0

The list of other best scores is:

Sequence Name	Description	Length	Score	Score	Sig.	Frame
3. US-08-842-385-8 Sequence 8, Application US		35	3	5	-0.62	0
4. US-08-842-385-7 Sequence 7, Application US		41	3	3	-0.62	0
5. US-08-842-385-11 Sequence 11, Application US		8	2	2	-0.67	0
6. US-08-842-385-9 Sequence 9, Application US		40	2	5	-0.67	0

1. US-09-991-681-31 (1-49)
US-08-842-385-10 Sequence 10, Application US/08842385

Initial Score = 49 Optimized Score = 49 Significance = 1.29
Residue Identity = 100% Matches = 49 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

```

X 10 20 30 40 X
EPLGPRGODSPILORPOHLMDOGMRHSFSAGPELLRODKRPRSGSTGS
EPLGPRGODSPILORPOHLMDOGMRHSFSAGPELLRODKRPRSGSTGS
X 10 20 30 40 X

```

2. US-09-991-681-31 (1-49)
US-08-842-385-6 Sequence 6, Application US/08842385

Initial Score = 49 Optimized Score = 49 Significance = 1.29
Residue Identity = 100% Matches = 49 Mismatches = 0
Gaps = 0 Conservative Substitutions = 0

```

KKEWMENAKIKYTWAADTKISKLMTEYKRRQOHNLSPKPEYKKEKGLGPRGODSPILORPOHLMDO
300 310 320 330 340 X 350 360
30 40 X
GQMRHSFSAGPELLRODKRPRSGSTGS
GQMRHSFSAGPELLRODKRPRSGSTGS
GQMRHSFSAGPELLRODKRPRSGSTGS
370 380 390 400 410 420 430

```

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440

3. US-09-991-681-31 (1-49)
US-08-842-385-8 Sequence 8, Application US/08842385

Initial Score = 3 Optimized Score = 5 Significance = -0.62
Residue Identity = 23% Matches = 6 Mismatches = 19
Gaps = 1 Conservative Substitutions = 0

```

10 20 X 30 40 X
EPLGPRGODSPILORPOHLMDOGMRHSFSAGPELLRODKRPRSGSTGS
SFOSESSPTSTGCFGSGKETPSGDDRSQSRHMGCS
X 10 20 X 30

```

4. US-09-991-681-31 (1-49)
US-08-842-385-7 Sequence 7, Application US/08842385

Initial Score = 3 Optimized Score = 3 Significance = -0.62
 Residue Identity = 13% Matches = 3 Mismatches = 20
 Gaps = 0 Conservative Substitutions = 0

X 10 20 X 30 40
 EPLGPRGQDSPLQRPQHLMDOGMHRSFSAGPELLRQDKRPRSGSTGS
 EDDERSTDSQCCSEDEDFEETAOVSPPRGKEXKQWRAR
 10 20 30 40

5. US-09-991-681-31 (1-49)
 US-08-842-385-11 Sequence 11, Application US/08842385

Initial Score = 2 Optimized Score = 2 Significance = -0.67
 Residue Identity = 25% Matches = 2 Mismatches = 6
 Gaps = 0 Conservative Substitutions = 0

10 20 30 X 40
 EPLGPRGQDSPLQRPQHLMDOGMHRSFSAGPELLRQDKRPRSGSTGS
 DYKDDDK
 X X

6. US-09-991-681-31 (1-49)
 US-08-842-385-9 Sequence 9, Application US/08842385

Initial Score = 2 Optimized Score = 5 Significance = -0.67
 Residue Identity = 16% Matches = 7 Mismatches = 30
 Gaps = 5 Conservative Substitutions = 0

10 20 30 40 X
 EPLGPRGQDSPLQRPQHLMDOGMHRSFSAG--PELLRQDKRPRSGSTGS
 SP--KVEKKDPSRRKEWENAGNKIYTMADKTISKLMTEYX
 X 10 20 30 40